ANGABEN ZUR PERSON

JOHNSON, CHRISTOPHER HANNA

📍 Feuerbachstraße 19
04105 Leipzig

📱 +49 176 2915 3886

✉ chjohnson39@gmail.com

Geburtsdatum   1971-03-04

Staatsangehörigkeit   United States of America

ANGESTREBTE STELLE: Wissenschaftlicher Mitarbeiter als Leiter des IT-Projektteams
BERUF
ANGESTREBTE TÄTIGKEIT   Erstellung eines nationalen Webportals für Buchhandschriften des Mittelalters (143/2018)

ANGESTREBTES STUDIUM   To develop interoperable and standards-based software to facilitate bibliographic research.

BERUFSERFAHRUNG

(06/2017-present)

Wissenschaftlicher Mitarbeiter

Universitätsbibliothek Leipzig
Leipzig, Germany

Developing APIs and tools for the production of quality metadata for the presentation and discovery of digital assets. This includes the production, reproduction and validation of IIIF manifests. Developing client interfaces for discovery, annotation, rendering and viewing of image collections with React. This involves building indices in Elasticsearch. Adapted the digital working environment "mirador@stanford" for a manuscript study workshop. Extensive experience extracting, transforming, and harmonizing data sourced from heterogeneous formats. Built an XML database application to provide METS/MODS metadata as JSON via a RESTful API.

Designed and built a system for the persistence of Web Annotations stored in a linked data platform (LDP) application called Trellis. Involved directly with Trellis and have developed a Java Platform Module System compliant branch for it. Developed an HTTP/2 client for LDP. Developed an image serialization API using a producer-consumer pattern using Apache Kafka. Contributed to Apache RDF Commons, Apache Jena, JSON-LD Java and IIIF Evented Canvas. Built and deployed integrated containerized application services using Docker.

Developed code available at https://github.com/ubl-chj , https://github.com/trellis-ldp and https://github.com/ubleipzig

Tätigkeitsbereich: Informatik

(11/2014-06/2017)

Software Developer

Akademie der Wissenschaften zu Göttingen
Göttingen, Germany

Built an application framework for the online presentation and discovery of digital assets including museum and library collections for the Projekt Blumenbach Online. Included development of a Java client for Fedora that can implement the IIIF Presentation API as an RDF collection focused data model.

The framework integrated various technical solutions including Fedora Commons Repository, Apache Camel, ActiveMQ, Jena TDB, Djatoka, Solr, Node.js, Wikibase and the eXist db.

Developed code available at https://github.com/pan-dora and https://github.com/blumenbach

Presentation of the PANDORA process as demonstrated at SWIB16 available here:
https://www.youtube.com/watch?v=TEqUkiO6tcA

Tätigkeitsbereich: Informatik

(11/2013-04/2016)   **Software Developer**

Wikimedia Deutschland
Berlin, Germany

Working in the areas of project management, development process design and project analysis tools for the Wikimedia Foundation. This includes PHP application development for Phabricator, a web engineering platform. Developed and implemented an effective Agile Project Management System that facilitates progress tracking of issues and organization of tasks for bi-weekly sprint planning. Enhanced understanding of sophisticated collaborative software developer tools and methods in use by the Wikidata project.
Furthered skills and knowledge of programming languages including PHP, R, Python, Perl and Javascript.

Examples of developed code available at https://github.com/christopher-johnson

Tätigkeitsbereich: Informatik

(11/2011-9/2012))   **Project Manager**

 (12/2006-4/2010)   Ridgeview Glass, Inc.
Washington, DC

Planned, organized and managed all aspects of private and governmental commercial glazing contracts. Responsibilities included design and contract specification review, detail analysis, field survey and measurement, preparation of shop drawings and submittals, shop fabrication, change orders, material purchasing and selection, billing, scheduling, coordination and execution of all phases of installation.

Key Projects::
    TD / Commerce Bank: Managed over 7 million dollars in complex glazing contract work for 13 different
    bank construction and renovation projects in the MD, DC, and Virginia area.
Tätigkeitsbereich: Hochbau

(11/2004-12/2006)   **Project Manager / Estimator / Draftsman**

WGG, Inc.
Harrisburg, Pennsylvania

Planned, organized and managed all aspects of private and public sector commercial glazing contracts. Shop drawings for large-scale commercial window, storefront and curtain wall projects. Precision analysis of architectural and structural blueprints, specifications, and plans. Preparation of submittals, including product research and vendor relationship management.

Key Projects:
    Hampton Inn at Camden Yards: Solely responsible for the estimating, contract negotiation, shop drawings,
    material orders and specifications, design build, RFIs, billing, field supervision, labor management, and
    execution of the windows, storefront, and glass for this new 8 story hotel in downtown Baltimore.
    US Army Reserve Training Center /OMS, Fort Indiantown Gap, PA: Solely responsible for the submittals,
    shop drawings, material orders and specifications, design build, RFIs, billing, field supervision and execution
    of the installation of blast resistant windows and storefront in compliance with government anti-terrorist
    criteria. This involved detailed engineering review of anchorage, substrate, glass and aluminum extrusion
    properties to certify required minimum force absorption.
Tätigkeitsbereich: Hochbau

(12/1999-06/2002)   **Web Developer / Technical Producer**

The Pennsylvania Report
Harrisburg, Pennsylvania

Developed and administered subscriber-based statewide political information service on Linux/PHP/MySQL
Tätigkeitsbereich: Informatik

(01/2001-06/2001)   **Enterprise Application Consultant**
Blue Hammock (intweb.bluehammock.com)
Pittsburgh, Pennsylvania

Developed and designed corporate intranet site on Linux/PHP/MySQL as an independent contractor.
Tätigkeitsbereich: Informatik

(05/1998-6/1999)   **Manager of Information Systems**
Metro Information Services, Inc. dba Solution Technologies
Camp Hill, Pennsylvania

Managed corporate and branch office information technology resources including both voice and data networks. Reorganized technology infrastructure to accommodate large corporate merger.
Tätigkeitsbereich: Informatik

(9/1997-05/1998)   **Network Systems Administrator**
Capital Blue Cross
Harrisburg, Pennsylvania

Managed performance, availability and utilization of a large (+1000 user), multiple domain network. Performed product research, evaluation and recommendation. Administered application, file and print servers. Trained and supervised technical personnel.
Tätigkeitsbereich: Informatik und Krankenversicherung

(4/1997-9/1997)   **Network Engineer**
Microsoft Bellevue, Washington

Monitored Microsoft.com and MSN network utilization and performance in the server farm facility. Developed SNMP tools for massive-scale distributed computing platform. Studied content replication services, dynamic DNS and enterprise system architecture
Tätigkeitsbereich: Informatik

(12/1995 -04/1997)   **Systems Engineer**
ADT Data Systems, Inc -Knowledgesoft, Inc.
Mechanicsburg, Pennsylvania

Built, administered and maintained Novell and Microsoft networks for a diverse group of small/midsize businesses and institutions including server and desktop installation, wiring design, and security. Managed customer accounts including evaluation of products, sales coordination, user training and hourly billing. Provided Tier 2 technical assistance to Phico Insurance Company.
Tätigkeitsbereich: Informatik

(05/1993 -10/1993)   **United States Forest Service Wilderness Ranger**
Okanogan National Forest, Lake Chelan / Sawtooth Wilderness
Twisp, Washington

Monitored and maintained trails and sites. Contacted visitors.

(08/1992 -05/1993)   **Legislative Journalist**
51st Associates
Harrisburg, Pennsylvania

Published the Commonwealth Register, a daily report of state legislative session activity. This involved monitoring live session votes and interfacing with the committee and partisan liaisons.
Tätigkeitsbereich: Politik

(06/1992 -08/1992)   **Outward Bound**
Pacific Crest Outward Bound
High Sierras, California

Joined a team of experienced climbers on a 6 week trek through the John Muir Wilderness. Included ice climbing, rock climbing and mountaineering and concluded with summits of North Palisade and Thunderbolt.

(06/1990 -08/1990) **United States Senate Intern**
Senator H. John Heinz
Harrisburg, Pennsylvania

Assisted the senator's staff in the Harrisburg district office. Interfaced with constituents. Completed a term paper entitled "The 'Home style' of Senator John Heinz" and obtained a political science course credit from Trinity College.
Tätigkeitsbereich: Politik

SCHUL- UND BERUFSBILDUNG

10/2012-9/2014	**Brandenburgische Technische Universität**	MA
	Cottbus, Germany	
	Weltkulturerbe (World Heritage Studies)	
3/2011	**TEFL Worldwide**	TEFL
	Prague, Czech Republic	
	TEFL Certification Course	
9/2003-6/2005	**ITT Technical Institute**	AST
	Mechanicsburg, Pennsylvania	
	AST in Design and Drafting	
9/1988-6/1992	**Trinity College**	BA
	Hartford, Connecticut	
	Bachelor of Arts in English	
12/1990-6/1991	**University of Stirling**	
	Stirling, Scotland	
	English Literature – Semester Abroad	

PERSÖNLICHE FÄHIGKEITEN

Muttersprache(n)	English				
Weitere Sprache(n)	VERSTEHEN		SPRECHEN		SCHREIBEN
	Hören	Lesen	An Gesprächen teilnehmen	Zusammenhängendes Sprechen	
Sprache eingeben	Deutsch	Deutsch	Deutsch	Deutsch	Deutsch
	B1 Deutsch				

Kommunikative Fähigkeiten	Excellent Writing and Verbal Communication Skills. Acquired through years of professional correspondence.
Organisatorische und Management Fähigkeiten	• Construction Planning and Scheduling • Vendor and Supply Chain Management • Critical Path Project Management • Estimating and Job Costing • Budget Analysis • Enterprise Application Administration • Collaborative Design Implementation • Customer Relationship Management • Network Security • Team Building

Berufliche Fähigkeiten

Training / Teaching Skills include:

- Technical instruction and supervision of work crews for high risk complex procedural operations, including craning, material lifting, handling and placement, staging and scaffolding, and all aspects of construction execution.
- In field translation of plan design to construction layout methods involving detailed explanation and instruction to multiple workers.
- Conducted best practice training for network management professionals.
- Help desk based end user training and guidance for software and hardware issues.

Design Skills include:

- Ornamental Metal Fabrication and Design
- Field Survey to Schema Translation
- Structural Engineering Analysis
- Door Hardware
- Aluminum Extrusion Assemblies
- Glass

Computerkenntnisse

Java (JDK 8-11)	Ruby
HTTP/2	PHP
RDF	MySQL
JSON-LD	Perl
Javascript/Typescript	Python
React JS	MediaWiki
CSS/SASS	Apache/Linux/Ubuntu
Gradle	AutoCAD/Revit
Maven	Windows
XML	Android
TEI	EXIM/Postfix/Dovecot
XQuery	MS Office
Xforms	ArcGIS
XSLT	Git
Junit (4-5)	Gerrit
Protege	Icinga / Nagios
Elasticsearch	Selenium
SPARQL	PHPUnit

Führerschein

- Maryland Class C Driver's License

ZUSÄTZLICHE INFORMATIONEN

Publikationen
Präsentationen

SemWebPro 2017 - Paris
The PANDORA Linked Open Data Framework
http://semweb.pro/file/7421827/raw/14_Johnson_Wettlaufer_Project_Pandora.pdf

SWIB 2016 - Bonn
Implementing the IIIF Presentation 2 0 API as a Linked Open Data Model in the Fedora Repository
https://www.youtube.com/watch?v=1KatIxhQx0E

A week of manuscript studies with the digital workspace "mirador@ubleipzig"
https://journals.ub.uni-heidelberg.de/index.php/ip/article/view/43293/37629

Publications/Presentations online at Academia.edu:
http://tu-cottbus.academia.edu/ChristopherJohnson

Wettlaufer, J., Johnson, Chr., Scholz, M., Fichtner, M., Thotempudi, S.G. (2015): Semantic Blumenbach: Exploration of Text-Object Relationships with Semantic Web Technology in the History of Science, Digital Scholarship in the Humanities (DSH), Special Issue DH2014, MS 19 p. (in print).

Masterarbeit. "Wikipedia as a Virtual Monument: Developing a New Ontological and Semiotic Model to Define World Heritage":
https://www.academia.edu/7795339/Wikipedia_as_a_Virtual_Monument_Developing_a_New_Ontological_and_Semiotic_Model_to_Define_World_Heritage

Projekte   Project Portfolio online at:
 http://www.behance.net/gallery/Architectural-Glazing-and-Metal/1660184

Blog at:
http://glasspilgrim.blogspot.de

Research Gate:
https://www.researchgate.net/profile/Christopher_Johnson50

LinkedIn Profile at:
http://www.linkedin.com/profile/view?id=95339195

Photography   Photography at
https://plus.google.com/102136878476945573016/photos

ANLAGEN ─── ■

- CERTIFICATES
- REFERENCES
- DIPLOMAS

b·tu Brandenburgische
      Technische Universität
      Cottbus - Senftenberg

URKUNDE
CERTIFICATE

Die Brandenburgische
Technische Universität Cottbus - Senftenberg

*The Brandenburg
University of Technology Cottbus – Senftenberg*

vertreten durch

represented through

die Fakultät für Architektur,
Bauingenieurwesen und Stadtplanung

*the Faculty of Architecture,
Civil Engineering and Urban Planning*

verleiht

confers upon

Herrn / *Mr.* Christopher Hanna Johnson

geboren am 04. März 1971
in Philadelphia

*born on 04 March 1971
in Philadelphia*

nach Erbringung aller notwendigen
Leistungen im Studiengang

*having fulfilled all academic requirements
of the study programme*

World Heritage Studies

World Heritage Studies

den akademischen Grad

the degree of

Master of Arts (M.A.)

Cottbus, 01.08.2014

Prof. Dr. eh. Wolfgang Schuster
Dekan/in / *Dean*

Prof. Dr. eh. Wolfgang Schuster
Prüfungsausschussvorsitzende/r /
Head of the Examination Board

COLLEGIVM · TRINITATIS · SANCTISSIMAE

HARTFORDIAE

OMNIBVS · HAS · LITERAS · PERLECTVRIS · SALVTEM · IN · DOMINO

SCIATIS · QVOD

CHRISTOPHER HANNA JOHNSON

PRAESES · CONSENTIENTIBVS · VIRIS · HONORANDIS · AC · REVERENDIS · HVIVS · COLLEGII

CVRATORIBVS · TITVLO · GRADVQVE · ARTIVM · BACCALAVREI

ADORNAVIT · ET · CONDECORAVIT · ET · EI · FRVENDA · DEDIT · OMNIA · IVRA · PRIVILEGIA

DIGNITATES · HONORES · ET · INSIGNIA · QVAE · HIC · AVT · VSQVAM · ALIBI · AD · EVNDEM

GRADVM · EVECTIS · CONCEDI · SOLENT

CVIVS · IN · REI · TESTIMONIVM · LITERIS · HISCE · COLLEGII · SIGILLVM · ET

PRAESIDIS · CHIROGRAPHVM · APPONVNTVR

DATVM · EX · AEDIBVS · ACADEMICIS · XVI · KAL · IVN

ANNOQVE · DOMINI · NOSTRI · MCMXCII

SCRIBA

PRAESES

ITT TECHNICAL INSTITUTE

Certifies that

CHRISTOPHER JOHNSON

has successfully completed the prescribed program of

COMPUTER DRAFTING AND DESIGN

and, based on the recommendation of the faculty, is awarded this

ASSOCIATE IN SPECIALIZED TECHNOLOGY DEGREE

Given at Mechanicsburg, Pennsylvania, this 14th day of June, 2005.

Kathy Andersen
Dean

ITT

Signature
Director

Central Dauphin School District

Central Dauphin East High School
Harrisburg, Pennsylvania

This is to certify that

Christopher Hanna Johnson

has satisfactorily completed the course of study prescribed for high school graduation and is therefore granted this

Diploma

Given at Dauphin County, Pennsylvania, June, 1988.

A. Murray Bryan
President

John W. Bolton
Secretary

W. Richard Brathes
Superintendent

Robert McMinn
High School Principal

Certificate of Excellence

CHRISTOPHER JOHNSON

Microsoft Certified Professional

Has **successfully** completed the **requirements**

to be recognized as a **Microsoft Certified Professional**

Systems Engineer

Microsoft

Signed by *Bill Gates*