Brian Dean

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Motivated, responsible professional with Computer Science education and work experience; Professional Master's Degree in Geoscience and a background in GIS, research, field work, and software development.

Education

2018   Professional Science Master's Degree, Winona State University, Winona, MN
Cumulative GPA: 4.0

2009   Bachelor's Degree in Computer Science, University of Iowa, Iowa City, IA

Software Development and IT Experience

Mayo Clinic IT Endpoint Coordinator, PDS, Rochester, MN   *09/2019 – Current*
- Collaborate with a team of IT professionals to deliver IT hardware and software to Mayo Clinic staff
- Order hardware and software from from retailers and ensure that it gets installed on the appropriate systems.

Web Developer, Omniupdate, Camarillo, CA   *08/2015 – 04/2016*
- Converted College and University websites to use OUCampus, Omniupdate's content management system.
- Presented at a conference in Los Angeles to teach customers about Omniupdate's product.
- Attended daily scrum meetings to discuss progress and goals.

Salesforce Developer, Tamarack Consulting, Minneapolis, MN   *02/2015 – 05/2015*
- Developed a Salesforce application to act as a front-end GUI interface for a program called InfoLease, which allowed banking customers to make payments on leases.
- Developed a Salesforce application to export data from Salesforce and import data to TurboLease.
- Developed Crystal Reports formulas to export banking reports.
- Fixed Bugs in Salesforce banking applications.

Web Developer, Age of Learning, Inc., Glendale, CA   *02/2012 – 01/2015*
- Built and maintained a task system similar to JIRA to track the assignments and productivity of the corporation's 250+ employees.
- Updated and maintained a translation system that was used to translate the website into different languages such as Spanish, Mandarin, and Korean.
- Worked with a team of programmers to fix bugs found on the HTML5 version of the ABCMouse.com website.
- Developed a project-tracking system to monitor projects that are in development at the company.

Backend Developer and IT, Great Lakes Communications Corporation, Spencer, IA   *11/2009 – 12/2011*
- Developed PHP websites.
- Developed an Android application to keep track of VOIP channels and perform basic functions in the VOIP chat rooms.
- Installed and removed server hardware.

Professional Science Masters Experience

Volunteer, Minnesota Pollution Control Agency, St. Paul MN *03/2019 – Current*
- Conduct a Weekly assessment of Bear Creek in Rochester, Minnesota by using a Secchi tube to determine turbidity in addition to making a judgement regarding the stream's physical appearance and recreational suitability.

Intern, Minnesota Pollution Control Agency, Rochester MN *06/2018 – 03/2019*
- Create Maps in ArcGIS.
- Monitor stream sites on the North Branch of the Whitewater River.
- Collaborate with team members on various field work tasks, including installation of long-term nitrate monitoring sites, deployment of Sondes and HOBO temperature loggers, and invertebrate sampling.

Paleontology Researcher, Hell Creek Fossils, Marmoth ND Summer 2017
- Gained experience taking GPS data points using a Trimble GPS unit during a summer dinosaur dig in the Hell Creek Formation in North Dakota.
- Excavated dinosaur fossils using a chisel and brush and learned how to create a plaster jacket for a fossil specimen.

Natural Resources Worker, Forestville State Park, Preston, MN *06/2016 – 08/2016*
- Reported water clarity and stage of the Root River on a weekly basis.
- Performed regular maintenance such as lawn mowing, cleaning, and installing sign posts.
- Gave visitors information regarding park events and attractions.

Teaching Experience

Graduate Assistant, WSU Rochester Education Department, Rochester MN *08/2017 – 05/2018*
- Worked on PERCA reports for professors.
- Created Qualtrics surveys.
- Proofread and offered feedback on student papers.

Teaching Assistant, Winona State University, Winona, MN *01/2017 – 05/2017*
- Worked with students in GEOS 316 (Geographic Information Systems) to assist with any problems they encountered using the software.
- Graded all homework for GEOS 316.

Teaching Assistant, Winona State University, Winona, MN *08/2016 – 12/2016*
- Worked as a telescope operator for GEOS 105 (Astronomy with Laboratory)
- Located planets and stars and assisted students in telescope usage.

Skills

IT Skills:

Incident Management, Operating Systems, Server Imaging, Reporting, Quality Assurance, Data Entry, Virus Protection and Eradication

GIS Skills:

ArcGIS 10.0-10.2, Georeferencing, Editing, Data Management, Analysis, Data Conversion, QGIS, Mapillary, Google Earth

Interpersonal Skills:

Public Speaking, Leadership, Organization, Time management, Report-writing

Networking Skills:

Network Management, Network Infrastructure, Router and Switch Configuration, Exchange Server Configuration

Computer Languages:

PHP, Javascript, Perl, CSS, JQuery, Java, C++, Ruby, Visual Basic, HTML5, SQL, Android and IOS Development, Ajax, Ruby

Software Skills:

Microsoft Office, Adobe products, Modflow JIRA, GIT, Subversion, Linux