

Minneapolis, MN
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Sam Berg

Experience

Student Analyst - University of Minnesota: Office of IT

January 2015 - Present

Work in developer operations, development, and quality assurance for the Moodle learning management system on an Agile team. Act as administrator for website. Manage development servers

- Perform updates to the codebase using PHP, Git, Vim, SSH, Bash
- Write documentation; conduct interviews; manage other student analysts
- Find and fix bugs in the open-source codebase
- Refactored web-based video production application written with Python CGI scripts

Java Developer Intern - BI Worldwide

May 2016 - August 2016

Developed Java web application using Struts, Spring, and Hibernate.

- Created SSO subroutine for accessing a secure web application module
- Performed SQL queries on Oracle DBMS
- Developed API for querying Oracle database

English Teacher - DYB Academy

September 2012 - September 2013

Taught ESL classes for five grade levels, elementary through middle school.

- Created homework assignments and presentations
- Developed lesson plans for 15 weekly sessions

Education

Bachelor of Science - Computer Science

Expected Graduation: Fall 2017

University of Minnesota - Twin Cities

GPA: 3.533

- **Coursework:** AI, algorithms & data structures, software design, web programming, NLP

Bachelor of Arts - English

Spring 2012

University of Wisconsin - Madison

GPA: 3.193

Technical Skills

Languages: Python, Java, JavaScript, HTML, CSS, SQL, Bash, C, C++

Technologies: Git, NodeJS, Apache

Projects

- Wrote Python script to identify arbitrary commit categories using the GitHub web API
- Developed multithreaded chat/P2P filesharing application in Java using standard libraries
(*Individual class project*)
- Created web camera using Raspberry Pi, Apache, and webcam API
- Scraped 40,000 Nasa contacts using Python's urllib and the BeautifulSoup API