

Mark Huff

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Statement of Purpose

An application software programmer with a BS degree in Computer Science from Southern Oregon University looking for an entry level position in database applications, programming or web development.

Languages, Programs, and Skills

- C, C++, C#, Java, NetBeans, Python, Flex, Bison, Haskell
- MySQL, Access databases, DynamoDB, all MS Office programs, Android Studio
- HTML, XAML, PHP, Javascript, Web development, Visual Studio

Academic Career

BS Degree, Southern Oregon University, June 2018, Major: CS, Minor: Business Administration

Senior Capstone Project: Web Search Companion – Develop a search engine that crawls the web by topic, collects data, and stores it for later use. Programmed in Java and Google's API.

Work Experience

Software Developer, Dymaptic, Fall 2018-Winter 2019

Worked for a small startup specializing in custom geospatial software. I primarily developed tablet applications used by a large oil and gas consulting company doing outdoor construction projects.

- Collaborated with other employees on the design and development of new application functionality requested by the client for their field workers.
- Wrote Java and XAML code to develop tablet applications that used a survey format enabling field workers to record individual geographic points, which were later uploaded to a DynamoDB database to track underground pipe efficiency for safety regulation compliance.
- Survey data included geospatial location, images, electric current readings, and field notes.
- Developed UI improvements including attribute filtering using MySQL and Java.
- Tested and documented all new code introduced into the tablet field application.
- Monitored the app when the changes were introduced for any additional bugs that might arise.
- Designed and built the UI layout for a new in-house product using a combination of XAML and C#.
- Added a map from ArcGIS Online to the in-house product.
- Utilized open source resources from GitHub to help achieve desired functionality.

Alternative Production Aid Assistant, Disability Resource Center, SOU, Fall 2016-Spring 2018

- Transfer texts and course materials to alternative formats for students with learning challenges.
- Added captions and audio descriptions to videos on the University's website for impaired viewers.

Resident Assistant, New Mexico Tech, Fall 2015-Spring 2016

- Assist new students in their adaptation to college life and create an awareness of college policies.

Grader, NMT Department of Computer Science and Engineering, Spring 2015

- Grade papers and coding assignments for Computer Science and Engineering Department.

Intern, The Institute for Complex Additive Systems Analysis (ICASA), NMT, Summer 2013-Spring 2014

- Performed research around predictions of possible global disasters through the use of social media.
- Conducted testing on in house software projects, documented failures, performed regression testing.

Activities and Projects

- BSA Eagle Scout, 2011, Troop 483, Glendora CA.
- FIRST Robotics Team, Lead Programmer.