Austin Hodgin

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KEY SKILLS

Programming Languages:
C/C++, HTML, CSS, Javascript, Python

Frameworks and Other Technology's:
Nodejs, Express, jQuery, Latex, SQL, MongoDB, Git and Subversion, Experience with Linux/Unix Systems

Key Skills:
Technical Writing, Detailed Oriented, Strong Communication, Problem Solving, Quick Learner, Flexible

WORK EXPERIENCE

Oracle   **Hillsboro, Oregon**
Test Engineer Intern   *June 2018 - December 2018*

- Modify restart script to find job running that forced the restart to cancel and include the name of the job in the error email that is sent.
- Built and configured a Foreman server in Oracles DMZ to monitor and consolidate Puppet reports for over 40 Puppet servers in the external manufacturing sites.

Oregon State University College of Engineering   **Corvallis, Oregon**
Student Help Desk Lead   *June 2014 - June 2018*

- Responsible for monitoring student employee's IT work and responding to elevated IT requests.
- Worked extensively to troubleshoot problems associated with Windows, Mac and Linux operating systems.
- Subject to handling IT issues needing to be further assessed.
- Led weekly meetings focusing on troubleshooting techniques and software features.
- Developed a Node.js based scheduling and shift trading web application with SQL database back-end.

Portland General Electric   **Portland, Oregon**
Cyber Security Engineer Intern   *May 2017 - September 2017*

- Conducted penetration tests on 3 different Windows machines.
- Worked along side 4 other Cyber security engineers to help conduct audits on several power plants.
- Updated and created network drawings and asset lists for 3 power plant networks.
- Developed, tested and deploy a new update service for a power plant using WSUS.

EDUCATION

Oregon State University   **Corvallis, OR**
Bachelor of Science Applied Computer Science   *March 2019*
Minor Business and Entrepreneurship

PROJECTS

Scheduling and Shift Trading System ⌨
Full Stack Developer

- Created a full stack web application using Nodejs, Express, Handlebar Templates, MySQL, Momentjs, passport to create an application used by over 30 people to view work schedules and trade work shifts.
- SQL database using 8 tables to store scheduling, user and shift data.
- Allowed over 20 people to view term long schedule and allow for users to be able to trade shifts allowing for more shift accountability over a term.

Algorithm Visualization ⌀

Front-End Developer

- Created a sorting algorithm visualization that shows how four different sorting algorithms sort in average, worst and best case using vanilla JavaScript.
- Created a path finding algorithm visualization to show how two different path finding algorithms search for a target node.
- Used Bootstrap4 to create a responsive web page.

Yelp Camp ⌀

Full Stack Developer

- Created a Full Stack Yelp like application using Nodejs, Mongodb, Express, EJS, Bootstrap 3/4, MomentJS, Passport, Mongoose.
- Routes designed to follow RESTful routing practices.
- YelpCamp has full user authorization and authentication built in allowing for users to create, read, update and delete campgrounds and comments.

Indoor RGB Plant Lighting System (Senior Capstone) ⌀

Full Stack Developer

- Used a Arduino Nano with a Raspberry Pi Zero W to create a scheduled based light system with a Node.js based web interface and C++ back-end.
- Created a Python Command Line Interface to interact with the C++ back-end to create and edit lighting schedules and to start and stop the lighting service.
- Created a web front-end to communicate with the C++ back-end for a more user friendly experience.