Steffen Sullivan

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Skills

Front End Development

Pug(Jade), HTML, Sass, SCSS, CSS, Bower, Bootstrap, jQuery, Javascript, Vue.js

Back End Development

Java, Scala, Node

Data Collection And Analysis

Python, Pandas, NumPy, Excel, SQLite, MongoDB

Developer Tools

Version Control

Git, Mercurial, GitHub, Bitbucket

IDEs

Visual Studio, Eclipse, IntelliJ Idea, WebStorm, PyCharm

OSes

Linux

Mac OS X

Windows

Work History

Apr 05, 2015 - January 01, 2018

Student Researcher

Auburn Nanotech Group

- Developed application to perform long term testing on superconducting circuits using **Node.js**, **Python**, and **NodeWebkit**.
- Designed algorithms to detect desired data points using **NumPy**. Decreasing the time for fellow researchers to understand how different environmental factors affect the devices under test.

May 01, 2016 - Dec 01, 2017

Software Engineering Contractor

LibData

- Updated the in production back-end server to add new features using **Java** and **Scala**.
- Updated the in production Chrome app to reflect Google's new material design as well as added features such as a bulletin board. This helped increase users of LibData by **10%**.
- Created patron logging software for a client using **Node.js** and **Electron**, increasing patron lookup and logging performance by **90%** compared to the client's old method.

February, 2018 - Present

Software Engineering Contractor

Cryoxcel

- Currently creating a new system for the latest Cryosauna under development.
- The new system will have improved safety, efficiency, and more features.

Projects

Jan 12, 2018 - Present

Broun Hall Lab Entry System

- Developing a new lab entry / security system for Broun Hall at Auburn University.
- System will control user access to secure labs using a variety of sensors including biometric.
- System will be penetration tested by in house experts.
- System will be in production by end of Summer 2018.

Dec 19, 2017 - Present

Karen

- Developing a virtual lab assistant for Student Projects and Research Committee called Karen
- Karen uses a package manager for extendability similar to Amazon Alexa
- Karen is written using **Node.js** and uses **Dialog Flow** for interpreting human language.