Isaac Sek

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TECHNICAL SKILLS

Programming Languages	Java, C++, Javascript, SQL/LINQ, HTML/CSS, Python, C#
Databases	SQLServer, MongoDB, CouchDB, DynamoDB
Tools	Github, TFS, NPM, Heroku, MERN/MEAN Libraries, CMake, AWS, ASP.net
IDEs	Atom, Microsoft Visual Studio, Eclipse, JGrasp, Brackets
Software Engineering	SDLC's, Design Patterns, RESTful API's, Data Structures, and Algorithms

EDUCATION

B.S in Applied Computing   *Expected Graduation - Spring 2018*
• University of Washington Bothell

SOFTWARE DEVELOPMENT PROJECTS

Operations Center (EagleView)   *January 2017 - Current*
• Leading a team of three interns to develop an internal web tool that hundreds of technicians will use daily. This application is built using the MEAN stack, ASP.net, and other various Javascript libraries such as Google Charts and AngularJS, and Angular Material. I worked on all aspects of development, such as developing the UI and setting up RESTful services with NodeJS and ASP.net. *(Currently in testing)*

3D Wall Modeling Tool (EagleView)   *May 2017 - Current*
• Working with a team of four senior developers develop an app that generates 3D models from roof measurements. This tool will use the C++ C3D labs modeling kernel, and a Chromium Embedded Framework/Ogre3D front-end. *(Currently implementing the CEF/Ogre to C3D geometry interface)*

iLocalize (Side project)   *December 2016 – August 2017*
• Independently developing an interactive web learning application designed to help users improve sound localization identification for researchers at Swedish Medical Center Audiology lab (Cherry Hill campus). Currently designing and developing front-end user interface, back-end logic, and database architecture using HTML, MongoDB, ExpressJS, NodeJS, ReactJS, and Bootstrap.

ReactJS Reaction Timer (Side project)   *November 2016 – December 2016*
• A small web app that allows users to test reaction speeds against other users. Built using the MERN stack.

RELEVANT COURSEWORK & CLASS PROJECTS

CSE 373: Data Structures & Algorithms	Djikstra's Algorithm Implem cventation (Java/C++)
CSS 340: Applied Algorithms	Thesaurus Using Hash Tables (Java/Python)
CSS 360: Software Engineering Principles	Bank Transaction Processing (Python/C++)
CSE 414: Database Systems	Database Design & SQL queries (SQL/NoSQL)

RELEVANT WORK EXPERIENCE

Software Development Engineer Intern, *EagleView Technologies – Bothell,WA*   *January 2017 – Current*
• **Software Engineering:** Development of core internal operations web tool using the MEAN stack, IISNode, ASP.net, SQL/LNQ, and other various libraries. Currently working on core infrastructure, and algorithms for 3D wall modeling generation. *Supervisor: Prem Kumar (Director of Engineering)*