

Larry Chiem

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WORK EXPERIENCE

- **Software Engineer/DevOps Intern** Hillsboro, OR
Intel April 2018 - Present
 - **Field Engineer:** Improving the success rate of total Netbatch job requests from 57% to 80% by automating notifications to customers with invalid submissions. Daily software engineering in an Agile development environment, which includes using the command-line interface (CLI), Python scripting, Bash, and Linux commands
 - **Automation/DevOps Scripting:** Save up to 20% time automating complex tasks . For example, to manually end-of-life a server requires over 10 different complicated commands, but now it is automatically done with the click of a button. Stack: Java, Perl, Python, Jenkins Continuous Integration/Continuous Development (CI/CD), Test-Driven Development (TDD), which includes version control with Git and Bitbucket
 - **Landing Dashboard:** Provides an alternative tool besides using the command-line interface for a business group to see the information about their landing server(s) and products. Stack: Intel Bootstrap, databases, HTML5/CSS3/JavaScript (JS)
- **Software Developer Engineer Intern** Portland, OR
CDK Global June 2017 - April 2018
 - **DMS (Data Management Systems) Migrations Dashboard:** Used the Atlassian JIRA API to simplify a task requiring multiple clicks into a single button. Stack: AngularJS, MongoDB, JSON, HTML5/CSS3, Confluence wiki documentation
 - **CDK Chatbot:** Integrated a Chatbot on a clone of CDK Global's website using Microsoft's Azure Bot Service, a serverless chatbot service. Stack: HTML5/CSS3/SCSS and JS
- **C++ Data Structures Grader** Portland, OR
Portland State University Sept. 2016 - June 2017
 - **Data Structure Programs Grader:** Mentored and inspired struggling students into passing students by connecting them with useful resources; troubleshooting and debugging C++ data structure programs using GDB and Valgrind

PROJECTS

- **Automation for Multnomah County Timesheets:** Designing and developing a Progressive Web App (PWA) that will significantly reduce the time spent of Multnomah employees manually reviewing timesheets submitted to the county, saving thousands of hours every year. Stack: Azure Pipeline for Continuous Integration / Continuous Development (CI / CD), HTML5/CSS3, C, AWS Recognition, GraphQL, AWS Amplify, PostgreSQL
- **Sport Spots PDX:** Developed a website where athletes can find a local gym in the community to play any sport, add events to Google Calendar, navigate using Google Maps. Stack: React JS, HTML5/CSS3, Azure Pipeline CI / CD, Google Maps and Calendar APIs
- **Kobe Bryant - Nike Tribute SEO Fix:** Rapid prototype to improve an aspect of Nike's website to be search engine optimization (SEO) friendly. Stack: React JS, HTML5/CSS3, and Adobe Photoshop
- **Portfolio Page:** My responsive/fluid portfolio page. Stack: HTML5/CSS3 and JS
- **Android App - Calculator:** A cartoon themed calculator that will show a popular meme if you add 9 plus 10 together. Stack: Java, XML, Android Studio
- **NASA International Space Apps Challenge - October 2019:** Developed an Android mobile application that leverages NASA's near-real-time API and archival wildfire data sets along with other tools to support firefighting and fire mitigation efforts. Stack: Java, XML, Android Studio
- **Snake Game:** Created a p5.js version of the Snake game. Stack: HTML5/CSS3 and p5.js

EDUCATION

- **Bachelor of Science in Computer Science** Portland, OR
Portland State University June 2020 (Expected graduation)
Coursework: Full Stack Web Development; Front-End Web Development; Multimedia Networking; Internet & Cloud Systems; Computers, Sound & Music; Database Management SQL; Operating Systems; Algorithms & Complexity; Data Structures