

# Larry Chiem

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Personal Email: larrypchiem@gmail.com

Work Email: larry.chiem@intel.com

Mobile: 503-929-2929

## PROFESSIONAL EXPERIENCE

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- **Intel** Hillsboro, OR  
*Automation Intern* April 2018 - Present  
While I am a senior student at Portland State University (PSU), I am also working part-time as an Automation Engineering intern at Intel. Here, I embrace my creative innovations with my teammates to ultimately benefit the company. My team practices agile scrum methodologies, such as daily ceremonies, two-week sprints, sprint groomings, and retrospectives. My work involves using daily verbal communication skills and collaboration with developers world-wide on products for internal customers, which includes:
  - **Automation/DevOps Scripting:** Writing test-driven development (TDD) scripts in Perl, Python, Java, and Bash to automate testing of data centers; collecting data content for analytics and monitoring on Grafana; and building internal frameworks that allow customization by admins. We are currently working on implementing continuous-integration/continuous using Jenkins. I've written scripts to help automate processes such as shutting down servers, installing Kernel-based Virtual Machines, and other server-maintenance related scripts. Daily, I use Git and Bitbucket for version control on repositories with hundreds of contributors. These scripts saved Intel (especially DevOps teams) time and money by reducing repetitive daily command-line work from developers.
  - **Landing Dashboard:** Designed and developed a landing dashboard using Intel's Bootstrap, JavaScript, SOAP and REST API's, and HTML/CSS. The goal of the project was to have an all-in-one dashboard where a user could access essential information about the landing of their server(s), such as asset management in ServiceNow, server configuration, and much more.
- **CDK Global** Portland, OR  
*Software Developer Engineer Intern* June 2017 - Sept 2017  
I worked full-time at CDK Global as a summer intern working on the Systems team. I spent three months web developing and training in AngularJS, creating tools to increase developers efficiency in handling issue tickets in Jira, such as:
  - **DMS (Data Management Systems) Migrations Dashboard:** Before, users had to manually click over several Jira tickets with similar errors to copy and paste its information into a new ticket. The goal of this project was to save time from repetitive tasks such as this. The DMS Migrations Dashboard used the Jira API to query those commonalities (SQL), compile the necessary information and with a single click of a button (AngularJS, jQuery, it created the ticket for them.
  - **CDK Chatbot:** During a global CDK hackathon, my team and I integrated a Chatbot on a clone of CDK Global's website using Microsoft's Azure Bot Service, a cost-free, serverless chatbot service. This allowed us to scrape together a database of various questions a website visitor would have, along with a customer-service-like response to the question.

## EDUCATION

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- **Portland State University** Portland, OR  
*Bachelor of Science in Computer Science* June 2020 (Expected graduation)

## PROJECTS

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- **Android App - Calculator:** A cartoon themed calculator that will show you a popular meme if you add 9 plus 10 together.
- **NASA International Space Apps Challenge - October 2019:** Developed an android mobile application that leverages NASA's near-real-time and archival wildfire data sets along with other tools to support firefighting and fire mitigation efforts.
- **AWS Cloud Practitioner Essentials: Introduction to the AWS Cloud:** Certificate of Completion
- **Snake Game:** Developed a canvas, created a snake that grew as it ate more random-appearing points but shrinking if it hit the bounds of the canvas.
- **Tri-met App:** Replicated the valid fare screen of the Tri-Met app by looping a video on a website and using javascript to display a valid date and time in the same spot as the real app.