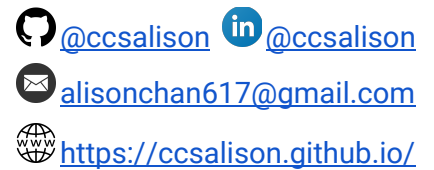





# Alison Chan



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## SKILLS

- Javascript/HTML/CSS, C, C++, React.js, Node.js, Kubernetes, Express.js, Material Design, JSON, Git, Linux, csh/bash, OpenGL, OpenMP, SQL, PowerShell, Perl, Regex, Tcl, Python, , , 

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## DEVELOPER EXPERIENCE

- Portfolio landing page | [code](#) | [link](#):
  - ❖ Designed the initial web page with front-end page layouts by using **HTML**, **CSS** and **JavaScript**.
  - ❖ Developed and revamped website by utilizing **Materialize CSS** for its Responsive Web Design (RWD) functionalities tailored to user needs that provide information being easily accessed by visitors.
  - ❖ Implemented Document Object Model (**DOM**) manipulation of style, text, content and attributes.
  - ❖ Used **Git** as the version control system by using Atom, GitHub and CLI.
  - ❖ Developed robust web application debugging ability using Chrome DevTools.
- Freelance Frontend Web Developer
  - ❖ Built website for real estate agent to collect rent, list properties for lease and manages appointments for property visits.
- Todo app | [code](#): CRUD **React** app to add and delete task with React UI components.
- Book review app:
  - ❖ CRUD React app that add or delete books with their ratings.
  - ❖ Adopted **MVC** that utilizes a fake **RESTful** API to communicate with the JSON database.
- Parallel Programming | [code](#):
  - ❖ Programs that synchronizes multithreaded processes utilizing mutex and semaphores with conditional variables, making use of multi-cores processor.
- Computer Graphics: Created a scene with objects having different light sources, viewports and texture mapped surfaces (OpenGL with C++).
- The Freescale Cup | [code](#): Built an autonomous (image processing) trajectory smart car using the Freescale Kit (FRDM KL25Z) in C. Proficient in lab equipment usage.

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## WORK EXPERIENCES

- Intel Corporation, Frontend LD Engineer Sept 16 - Present
- Delivers frontend integration work with product being tape out which are being used in multiple projects.
  - Creates and develops **automation processes**, and testing sub-processes with **Perl regex** script, leveraging repetitive job functions by team member, increasing efficiency in inter-project progress monitoring.
  - **Webscraps** and **data extraction** with Python API to ensure content quality and version are up to date.
  - Solving tight schedule deadline deliveries with High Speed Database ticketing system (similar to Jira ticketing system) and debugging issues while maintaining repository with **Git**.
  - Updates **documentation**, provide technical feedback on integration guide, and specification documents.
  - Mentors new employee by setting goals and providing them guidance in order to be successful.
- Intel Corporation, System Validation Engineer Jul 15- Sept 16
- Developed test cases to validate **GPU**, Video on emulator for the next generation SoC in **C++**.
  - Operated and enhanced **automated build** and **test infrastructure** for automation testing in **Python**.
  - **Developed and implemented Android based tests** for multimedia in **Python** in collaboration with development team, migrating third-party applications to the validation environment.
  - Performed automation on next generation i3/i5/i7 core with **PowerShell** scripts for Client Devices.

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## EDUCATION

B.S. in Electrical and Computer Engineering GPA 3.70-Dean's List Texas State University, TX

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