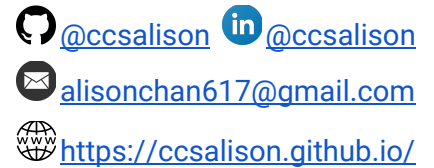





Alison Chan



SUMMARY

- With the background of an ABET-accredited computer engineering degree and 4 years in the tech industry, I have a strong background in computer science and a fast learner.
- Looking for a fast-paced learning environment, ie. startup for my next job opportunity.

SKILLS

- **Proficient:** Javascript, C, C++, Perl, Python, JSON, HTML, Git, Linux, OpenGL, OpenMP, 
- **Exposure:** React.js, Material Design, SQL, REST API, MVC, PowerShell, , 

EDUCATION

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

DEVELOPER EXPERIENCE

- **Portfolio landing page** | [code](#) | [link](#):
 - ❖ Initial website | [code](#): Responsive web page coded from scratch with HTML displaying projects.
 - ❖ Current website: Utilizes Materialize CSS for its optimized responsive functionalities.
- **Todo app** | [code](#): Simple 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 REST 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.

WORK EXPERIENCES

Intel Corporation, Frontend LD Engineer Sept 16 - Present

- Develops **automation processes**, design integration and testing sub-processes with **Perl regex** scripts.
- Maintains team contribution work for clock domain crossing (CDC) and design for test with **Git**.
- Tracks and debugs issues with High Speed Database **ticketing system** (similar to Jira ticketing system).
- Updates **documentation**, provide technical feedback on integration guide, and specification documents.
- Communicates with management and team member effectively on delivering business goals with tight schedule.

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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