





# JOHNNY TSAI

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## SKILLS

### Software:

- C, C++, Swift, Matlab
- Visual Studio, Eclipse
- Visio, Word, Excel
- Git, AD, JIRA, Quartus II, VHDL, Makefile

### Hardware:

- PC Assembly and Maintenance
- 3D Printing
- Soldering, Breadboarding, Circuit
- Oscilloscope, Digital Multimeter, Function Generator, DC Power Supply

### Transferable Skills:

- Communication
- Time Management
- Self-motivated
- Flexible, Adaptable
- Problem Solver



## EXPERIENCE

### Desktop Support Technician | ResponseTek

#### JAN 2018 – AUG 2018

- Diagnose, document, resolve IT tickets for soft/hardware related issues of internal employee
- Performed on/offboarding and essential creation of AD, VPN, JIRA, Office365 accounts
- Assisted in office move, setup, closure of company, responsible for removal of equipment



## PROJECTS

### Shell with History | Operating Systems I, SFU

SEPT 2018 – DEC 2018

- Worked with parent and child processes to read and execute user commands
- Implemented a history feature that lists recently used commands like the Linux shell

### Linux System Call and Kernel Driver | Embedded and Real Time Systems Software, SFU

SEPT 2018 – DEC 2018

- Wrote a simple character count Linux system call and three character device drivers using C in User Mode Linux allowing communications from kernel to retrieve information
- Develop getptr, peek, and poke driver to allow user space read and write and retrieve data bytes from memory location to user

### IOS App for Children with Autism | Software Engineering I, SFU

SEPT 2017 – DEC 2017

- Collaborated with a group to program using Swift in XCode 9 to create an app for helping children with autism
- Worked with Google Firebase for online storage, user authentication and database



## EDUCATION

### BASc, Computer Engineering | Simon Fraser University (SFU)

SEPT 2015 – PRESENT