

# Derek Jang

## COURSEWORK

Software Tools and Systems; Software Design; Software Tools and Systems Programming; Data Structures and Analysis; Communication Skills for Computer Scientists

## PERSONAL PROJECTS

### RemindMeTo Chrome Extension (July 2019)

- Reminds user of their input in the minutes that they set
- JavaScript and HTML

### Recipe-Finder Application (August 2019)

- Displays a list of recipes for the ingredients inputted to the app
- JavaScript, HTML, CSS, recipe API

## SCHOOL PROJECTS

### Paint Program (December 2018)

- Java, Git, Scrum, GUI
- Creates a canvas where users can use their mouse to draw
- File parsing
- Command, Strategy, and Factory design patterns
- Worked in a group of four students

### Client-Server Application (April 2019)

- C
- Client can connect and run jobs
- Server protocol: runs or terminates jobs based on given client commands
- Fork bombs and buffer overflows on server is protected

### Tower of Hanoi Game (February 2018)

- Python, GUI
- Allows user to play a modified Tower of Hanoi puzzle game
- Mode-View-Controller architecture

### Sudoku290 Game (March 2019)

- Python, Git
- Modified Sudoku game
- Worked in a team of six students

## CONTACT

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## SOFT SKILLS

Communication

Teamwork

Work Ethic

## HARD SKILLS

Java, JavaScript, Python, C,  
HTML, CSS, Software Design  
Patterns, Code Optimization  
and Correctness, Latex, Git,  
JUnit Testing, Scrum, Regex,  
Priority Queues, Finite State  
Machines

## EDUCATION

**University of Toronto**  
Computer Science Major,  
Statistics Minor,  
Sociology Minor  
September 2017 –  
present