Jason Zeng

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Education

University of British Columbia Vancouver, BC

BSc, Computer Science and Mathematics 2017

- **In Major Average:** 81.5%
- **C.S. Coursework:** Data Structure and Algorithms, Software Engineering, Internet Computing, Theory of Computing, Computational Optimization, Computer Hardware and Operating Systems
- **Math Coursework:** Calculus I - IV, Real Variables, Complex Variables, Probability, Group Theory, Number Theory

Experience

Teaching Assistant, UBC 2016

- Course: CPSC 221 – Basic Algorithms and Data Structures
- Responsibilities: Guiding 3 weekly lab sections, holding weekly office hours and marking assignments and projects

Teaching Assistant, UBC 2016

- Course: CPSC 221 – Basic Algorithms and Data Structures
- Responsibilities: Guiding 2 weekly lab sections, marking assignments and projects and invigilating exams

Skills

Languages: C, C++, Java, JavaScript, HTML5, CSS3, Matlab, Racket

Frameworks/Tools: jQuery, Node.js, Express, MongoDB, AngularJs, Bootstrap, Git

Projects

Game of Life – (JavaScript, CSS, HTML, AngularJs)

- An Angular app to play Conway's Game of Life

Sudoku – (JavaScript, CSS, HTML, jQuery)

- A web Sudoku game with beautiful UI
- Features random game generation and backtrack solving

jzChip-8 – (C++, OpenGL)

- An emulator for Chip-8 virtual machine to play classic games like Space Invaders
- Implemented Fetch, Decode and Execute stages of CPU cycle and graphic display

Flashcard – (Node.js, Express, MongoDB, AngularJs)

- A MEAN stack app for taking notes on flashcards
- Implemented RESTful API, user authentication, data models etc.

Weathers – (JavaScript, CSS, HTML, jQuery)

- A web application that forecasts weathers of next 7 days at user's location
- Queries Dark Sky API for weather data