

Jade Chan

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EDUCATION

Tufts University, College of Arts & Sciences

Computer Science (B.S.) & English (B.A.)

Graduation: May 2017, *GPA:* 3.42

Extracurriculars: JumboCode, Hong Kong Student Association (HKSA)

Danish Institute of Study Abroad (DIS)

Courses: Graphic Design Studio, Summer 2015

SKILLS

Programming Languages & Technologies

C / C++, Java, Python, HTML / CSS, JavaScript, jQuery, AngularJS, SQL, OpenGL

Software

Git/SVN, vim, emacs, Adobe Illustrator, Indesign, Photoshop

Foreign Languages

Fluent in Cantonese, Mandarin

EXPERIENCE

TripAdvisor, Software Engineering Intern // May - Aug 2016

Booking Platform Team

- Refactored and streamlined Instant Booking's email validation system to create a more reliable cancellation experience.
- Refined payment infrastructure to abide by international policies, blocking the storage of payment information from unauthorized points of sale.
- Implemented an alert system to send stored-payment-failure summaries, expediting the identification and resolution of errors.

Tufts Computer Science, Teaching Assistant // Jan 2016 - present

Web Programming

- Guided students through labs and assignments, explained high level concepts, and assisted in comprehending and debugging code during office hours.
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PROJECTS

Procedural Generation of Urban Landscapes // Apr 2016

- Created a program using OpenGL and C++ that dynamically renders a new and unique 3D city each time it is run.
- Designed and implemented an algorithm to realistically shape the generated landscape, placing street partitions and building parameters at strategic intervals and using L-systems to "grow" buildings of various shapes and dimensions.
- Programmed a maneuverable camera, allowing users to fly through the city.

TRVLR // Oct 2015

- Won TripAdvisor API Award @ Tufts Polyhack.
- Developed a web application using AngularJS that organizes the sightseeing logistics of a user's travel trip, producing an exact schedule to follow.

Image Compression & Decompression // Mar 2015

- Implemented a lossy compression algorithm in C, using bit manipulation to compress images by 66% while maintaining 95% accuracy.

Peace Corps Recipes // Sep 2015 - May 2016

- Collaborated with a team of 8 students to create an online recipe database for Peace Corps volunteers, using NodeJS and MongoDB.