Jade Chan

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EDUCATION

Tufts University, College of Arts & Sciences
Graduation: May 2017, *GPA:* 3.42
Majors: Computer Science (B.S.) & English (B.A.)

Danish Institute of Study Abroad (DIS)
Courses: Graphic Design Studio, Summer 2015

SKILLS

Programming Languages

C / C++	● ● ● ● ● ● ● ● ○ ○
Java	● ● ● ● ● ● ○ ○ ○ ○
HTML / CSS	● ● ● ● ● ● ● ○ ○ ○
JavaScript	● ● ● ● ● ○ ○ ○ ○ ○
SQL	● ● ● ● ● ● ● ○ ○ ○

Software
IntelliJ, emacs, git/svn, Adobe Illustrator, InDesign, Photoshop

Foreign Languages
Fluent in Cantonese, Mandarin

EXPERIENCE

TripAdvisor, Software Engineering Intern // *May - Aug 2016*
Booking Platform Team
- Simplified Instant Booking's email validation system — improving customer capabilities for cancellations and allowing for a more predictable user experience.
- Enhanced payment infrastructure to block storing payment information from unauthorized point of sales, ensuring that it does not violate international policies.
- Implemented an alert system to send error summaries for stored payment failures, expediting the identification and resolution of errors through a checkup metric and threshold sensor.

Tufts Computer Science, Teaching Assistant // *Jan 2016 - present*
Web Programming
- Guided students on labs and assignments, explained high level concepts, and assisted in comprehending and debugging code during office hours.

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 landscape, placing street partitions and building parameters at strategic intervals and using L-systems to "grow" buildings with various shapes and dimensions.
- Programmed a maneuverable camera, allowing users to fly through the city.

TRVLR // *Oct 2015*
- Winner of 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-level manipulation to compress images by 66% while maintaining 95% accuracy.

Peace Corps Recipes // *Sep 2015 - May 2016*
- Worked with a team of 8 students to create an online recipe database for Peace Corps volunteers, using NodeJS and MongoDB.