Walton Y. Lee

walton.lee@tufts.edu ◊ (781) 535 – 4991 ◊ waltonlee.github.io
121 Bowdoin Street, Medford, MA, 02155

EDUCATION

Tufts University, Class of 2016, Medford MA:

Master of Science – Computer Science	May 2017
Bachelor of Science – Computer Science (Engineering)	May 2016

GPA: 3.43, Dean's List, MacJannet Scholarship

Relevant Courses

Machine Learning, Computer Graphics, Computer Security, Machine Structure & Assembly-language Programming, Internet of Things, Operating Systems, Data Visualization, Mobile Development, Algorithms, Data Structures

WORK EXPERIENCE

Tufts University Computer Science Department   January 2016 – Present

Computation Theory & Game Design Teaching Assistant

- Taught a hundred-person class various computation models such as finite automata and Turing machines
- Instructed a class of thirty-four students in the application of game design concepts and software tools

IBM – Software Group   June 2016 – August 2016

Data Science Intern

- Built a variety of data manipulation/visualization add-ons to the SPSS modeling software using R, projects included a Chinese word-cloud generator, mapping function with geolocation and weather analysis
- Utilized the image processing and taxonomic classification functions of the Watson machine-learning suite to build an advertisement classifier that categorized banner ad images by products and promotion deal

Digital Media Academy   July 2015 – August 2015

Instructor

- Taught classes of twenty students a variety of software and coding languages, including Java, iOS and Unity
- Guided students in designing and building apps and games for iOS, PC and the Oculus Rift

PROJECTS

Big Game Hunter - https://biggamehunter.herokuapp.com/ - 30 Users

- Designed an event scheduling social network for college students to plan and locate games on campus
- Built Using: Ruby on Rails, Postgresql, Redis

Terraform - https://waltonlee.github.io/Terraform

- Developed a terrain building graphics demo with texture mapping, realistic shadows and water simulation
- Built Using: Javascript, Three.js

SKILLS

Languages: Cantonese, Mandarin

Programming Languages: C, C++, C#, Ruby, Python, R, JavaScript, Java, Swift

Frameworks: Rails, Three.js, D3.js, OpenGL, iOS, Android, Arduino   **Databases:** PostgreSQL, Redis

Software: Git, Unity, Autodesk Inventor & Maya, Adobe Photoshop & Illustrator, Microsoft Office

ACTIVITIES

Tufts Gaming Hub – Founder

Tufts Hong Kong Student Association – Senior Advisor

Tufts E-Men, Ultimate Frisbee Team