

Walton Y. Lee

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121 Bowdoin Street, Medford, MA, 02155

EDUCATION

Tufts University, Class of 2016, Medford MA:

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|--|----------|
| 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, Algorithms, Mobile Development

WORK EXPERIENCE

Tufts University Computer Science Department

January 2016 - Present

Computation Theory & Game Design Teaching Assistant

- Taught peers various computation models such as finite automata and Turing machines
- Instructed students in the application of game design concepts and tools (Maya/Unity)

IBM – Software Group

June 2016 – August 2016

Data Science Intern

- Built a variety of visualization add-ons to SPSS modeling software using R, projects included a Chinese word-cloud generator and mapping function with geolocation
- Utilized the Watson machine learning suite to build an advertisement classifier that categorized banner ad images by primary & secondary products and promotion deal

Digital Media Academy

June – August 2015

Instructor

- Taught 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/>

- Event scheduling social network designed for college students to find games on campus
- Built Using: Ruby on Rails, Postgresql, Redis

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

- Terrain building graphics project with texture mapping and realistic shadows/shading
- 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