Chao Tang

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Github: https://github.com/DoubleT136

Education

Tufts University, Medford, MA, Expected May 2018
Bachelor of Science in Computer Science, Minor in Economics
GPA:3.72   Major GPA:3.95   Dean's List: January 2015-Present
Brooks School, North Andover, MA   Graduated Magna Cum Laude in 2014

Projects

Harvard Square Homeless Shelter, *Project Manager*, September 2017-Present
- Lead a team of 12 in developing a mobile app for the HSHS using React Native and Firebase. It enables users to view and log interactions with guests, maintain a shared to-do list, and auto generate smart digests.
- Defined the project scope, designed features, planned architecture, and spearhead development.

Microsoft Avatar, June 2016-September 2017, *Project Manager & Front-End Developer*
Ranked Top 10 in the Millennials category at 2017 Microsoft Global Hackathon
- Led a team of five in creating a style-transfer web app using Deep Image Analogy, a new neural network-based technique developed in-house. It enables users to create stylized digital avatars using any selfie.
- Planned the project from scratch and designed and implemented the front-end using React.

MyDea, September 2016-December 2016, *https://play.google.com/store/apps/details?id=com.tj.mydea*
- Created an Android app that lets users share ideas for projects they are interested in, which other users can view, comment, vote on, and join. Using Node.js and PostgreSQL for backend.

Drizzle, October 2016
Winner of Bose Prize at PolyHack 2016
- Made a web app using Python, Django, D3 JS Library, and the Bose SoundTouch API that enables users to mix and create customized ambient noise tracks with an innovative clock-like interface.

In depth analysis of the Great Firewall of China, September 2016-December 2016
- Undertook research project to study the censorship techniques of the GFW and potential countermeasures
- Captured packets via VPN for experiment with help from GreatFire, world leading GFW research team

Work Experience

Tufts University CS Department, Medford, MA, *Teaching Assistant*, *10 hours/week*, September 2017-Present
- Perform TA duties for *Algorithms*, *Security*, and *Web Programming* courses
- Hold office hours, grade coursework, and provide feedback to improve the courses.

Microsoft Research, Beijing, China, *Intern*, *Full-time*, June 2017-Septebmer 2017
Received the "Star of Tomorrow" award of excellence
- Created Microsoft Avatar as project manager and front-end engineer.
- Built parts of the front-end for an NLP tool commissioned by Pfizer that facilitates Q&A.
- Participated in the development of HoloPoint, PowerPoint for HoloLens using Unity.

Anchiva Systems Ltd, Beijing, China**, *Intern*, *Full-time*, June 2014-July 2014
- Shadowed a network security engineer to learn SQL injection, among other security vulnerabilities
- Performed penetration tests on client websites.

Activities

JumboCode, Medford, MA, *Project Lead*, 8 hours/week, September 2016-Present
- Created multiple mobile apps on behalf of nonprofit organizations, using a variety of platforms and frameworks including Firebase, AngularJS, Ionic, and React Native.

TEDxTufts, Medford, MA, *Webmaster, Co-head of Sponsorship team*, 2 hours/week, September 2015-Present
- Maintain and update the TEDxTufts website built with Jekyll.
- Manage sponsors, speakers, and facilities to host the annual TED event at Tufts.

Skills

Programming Languages: C++, C, JavaScript, Python, ML, Scheme, x86 Assembly Language, Matlab
Web: HTML/CSS, React.js, React Native, jQuery, AngularJS, Node.js, PostgreSQL, MongoDB, Firebase, Ionic
Software: Unity, Android Studio, Kali Linux Tools (incl. Wireshark, Nmap, etc.), Eclipse, Git
Other: Fluent in Mandarin, Familiar with Microsoft HoloLens Development