

Tyler Lubeck

Contact

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Languages

Python
C, C++, C#
Javascript, Java
CSS3 & HTML5

Technologies

Django, Node.js, jQuery

Tools

Git, Perforce

Experience

- Summer '14 **Microsoft** – www.microsoft.com Redmond, WA
Software Development Engineer Intern
- Created an API in Sharepoint's Client Side Object Model to manipulate files and folders from both C# and Javascript
 - Built a modular file tree control in Javascript, allowing for asynchronous data loading
 - Gained experience working within a large codebase and a complex build system
- Summer '13 **Pegasystems Inc.** – www.pegasystems.com Cambridge, MA
Systems Architect Intern
- Developed software to allow employees to catalog receipts and create expense reports via email
 - Worked with PegaRULES Process Commander to build in-house expense reporting software
- 2012 – Current **Tufts University** Medford, MA
Co-Instructor: Web Engineering
Teaching Fellow: Introduction to Computer Science
Teacher's Assistant: Web Programming
- Selected as Head TA for Web Programming course, which entailed supervising a team of 5, planning and implementing review sessions, and holding office hours for 100 students.
 - Taught introductory C++ lab sections to multiple classes of 20-25 students each.
 - Selected as Teaching Fellow for Introduction to Computer Science, which entailed supervising a team of 35, as well as grading assignments and holding tutoring sessions.
- Summer '12 **Accusoft** – www.accusoft.com Tampa, FL
Software Development Intern – Imaging SDK's
- Upgraded sample code projects in VB6, C++, and C# adding new product version functionality and fixing defects
 - Wrote Python scripts for updating MS Visual Studio project files to new versions and for verifying and updating source code copyright markings
 - Authored white paper and accompanying application integrating Barcode Xpress SDK with ImageGear SDK Suite

Personal Projects

- 2013 – Current **Halligan Helper** www.halliganhelper.com
Computer Science Department Resource Tracker
- Designed and implemented independent project to collect, track, and graph anonymized computer usage data for the Tufts Computer Science Department
 - Utilized Websockets to build a real-time dashboard to display tutoring wait time
- 2014 – Current **Tufts Marauder's Map**
Indoor Positioning System
- Engineered system to compute indoor position based on known wireless access points

Awards

- 2015 **Hack@Brown: Two Sigma Best Data Visualization** Brown University
Used the Microsoft Kinect to build an interactive Wikipedia graph explorer
- 2015 **PennApps: Facebook API Prize** University of Pennsylvania
Implemented a system allowing entrepreneurs to collect demographic information about potential users
- 2014 **Tufts Polyhack: Facebook Sponsored Prize** Tufts University
Created a course recommendation application that recommended courses based on a Facebook profile
- 2014 **New England Undergraduate Computing Symposium** Boston, MA
Selected to present poster of independent original project: Halligan Helper
- 2013 **Tufts Hackathon: Microsoft Sponsored Prize** Tufts University
Created an app for Windows 8 in C#; a student notebook integrating Windows Calendar and Evernote
- 2012 **Tufts Hackathon: Microsoft Sponsored Prize** Tufts University
Created an app for Windows Phone 7 in C#; a record keeper allowing users to track their personal goals
- 2011 **Eagle Scout** Boy Scouts of America

Education

- 2011 – 2015 **Bachelor of Science, School of Engineering at Tufts University** Medford, MA
Major in Computer Science, Minor in Entrepreneurial Leadership