Tyler Lubeck

Contact

tyler@tylerlubeck.com
www.tylerlubeck.com
github.com/TylerLubeck
linkedin.com/in/tylerlubeck

(813) 469 1499

Languages

Python
C, C++, C#
Javascript, Java

Technologies

Django, Pyramid, Node.js

Tools

Git, Docker, Consul
Hashicorp Vault
Apache SOLR

Experience

August '15 - Now **SurveyMonkey** – www.surveymonkey.com   San Mateo, CA
Software Engineer II
- Implement and maintain a SOLR Cloud cluster for the company
- Implement and maintain the development stack used by the engineering org
- Lead engineering onboarding for new hires
- Help lead efforts to implement consistent monitoring and logging infrastructure across the company
- Implement features across the stack, ranging from MSSQL stored procedures to Python and React based client side applications

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.pega.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 – 2015 **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 – 2015 **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
- Successfully documented and transitioned the project to a new owner after graduating

2014 – 2015 **Tufts Marauder's Map**
Indoor Positioning System
- Engineered system to compute indoor position based on known wireless access points
- Utilized a kNN machine learning algorithm to determine your position within a building based on known positions of visible wireless access points

Publications

August '15 **Device-agnostic Wi-Fi fingerprint positioning for consumer applications**   IEEE
Presented at PIMRC, paper available at http://ieeexplore.ieee.org/document/7343660/

Education

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