

Toby Glover

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EDUCATION

Tufts University School of Engineering, Boston

Expected December 2018

B.S. in Computer Science

GPA: 3.56 / 4.00, Dean's List (Fall 2015 - Present)

Relevant course work: *Data Structures, Algorithms, Machine Structures and Assembly Language Programming, Computation Theory, Artificial Intelligence, Web Programming, Android Mobile Development, Calculus*

PROJECTS

WikiLinks

Web app for the 6 degrees of Wikipedia game

- Single load web app utilizing React and AJAX calls to transition between pages without reload
- Server-side rendering of React for faster load and crawling of HTML by bots
- Built entire backend using Node.js, allowing for code sharing between front and back ends

TwoCents

Android application, users anonymously post questions for others in their area to vote on the best solution

- Built entire backend API using LAMP stack
- Used Haversine formula to find questions within a radial distance from a user coordinate
- Built app features such as creating new posts and viewing nearby posts

WORK EXPERIENCE

Switch Media

September 2014 - May 2016

Australia's industry leader in storing, encoding, and distributing live and on-demand video content

Application Architect and Developer

October 2015 - May 2016

Medford, MA

- Designed and built Presto, an Australian video on demand service similar to Hulu, for the Roku streaming platform on contract basis
- Performed code reviews on the two other members of development team

Support Engineer and Back-End Programmer

September 2014 - May 2015

Sydney, Australia

- First point of contact for clients including Foxtel, the largest cable company in Australia
- Sole on-site representative of Switch Media to provide support to Yahoo! 7 at the Australian Open Tennis Tournament in Melbourne, where Switch provided live streams for all 14 courts
- Built custom internal and client-facing web tools using PHP, HTML, JavaScript
- Wrote server-side scripts to analyze internal workflow data and determine bottlenecks

Camp Foley

June - August 2016 (9 weeks)

Camp Counselor and Trip Leader

Pine River, MN

- Planned and executed events for approximately 160 people
- Taught high-intensity activities including archery and rock climbing

Washington & Lee University

September 2013 - March 2014

Intern in Sound Engineering Studio

Lexington, VA

- Built amplifiers and other recording equipment
- Sole engineer on various recording sessions, both in the studio and live

SKILLS

Languages BrightScript, C/C++, PHP, HTML, CSS, JavaScript, Python, Java, LaTeX

Frameworks React, Django, Node, MySQL, MongoDB

Tools Unix, Apache, Git & Github, SVN, Android Studio

EXTRACURRICULAR ACTIVITIES

Tufts Marathon Team

September 2016 - Present

Tufts Mountain Club

September 2015 - Present

Tufts Computer Science Exchange

September 2015 - Present