

# Toby Glover

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## EDUCATION

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### Tufts University School of Engineering, Boston

*Expected May 2019*

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

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### DejaView

Service that allowed anyone to create private and anonymous photo albums where any user with the access code could upload and view full-resolution photos

- Built entire backend using LAMP stack and AWS S3 cloud storage
- Served API and images for Android and iOS applications and frontend website
- Built uploader API to handle full-resolution photo uploads from all three platforms

### 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

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### 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*  
*Medford, MA*

October 2015 - May 2016

- 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*  
*Sydney, Australia*

September 2014 - May 2015

- 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

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**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

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**Tufts Marathon Team**

*September 2016 - Present*

**Tufts Computer Science Exchange**

*September 2015 - Present*

**Tufts Democrats Club**

*September 2015 - Present*