

## EDUCATION

University of Maryland, College Park  
BS in Computer Science and Finance  
Entrepreneurship & Innovation Honors  
Expected: May 2019 | GPA: 3.91

## COMPUTER LANGUAGES

Java | Python | Visual Basic | Ruby | C  
HTML | CSS | JavaScript | jQuery  
Node.js | Flask | Rails | SQL | MongoDB  
Android | iOS (Objective C)  
Exposure to Swift, React.js, React Native

## SOFTWARE SKILLS

AWS | Heroku | Git | GitHub | Jira | Jenkins  
Sketch | Adobe (Photoshop, InDesign,  
Lightroom, After Effects, Muse, XD)

## PROJECTS

**UMD Google Cal Schedule Importer**  
*gcal-importer.timothychen.me*  
Chrome Extension that imports a UMD  
course schedule into Google Calendar

### Metronome

*github.com/timothychen01/metronome*  
Improving the metro experience via real-  
time displays for incoming car capacity

### Alexagram

*devpost.com/software/alexagram*  
Holographic virtual assistant controlled via  
Alexa, built on Node/Express.js, socket.io

### Dinezen

*www.dinezen.com*  
Personalized meal recommendations  
based on dietary targets and restrictions

### Netscout Manager Reporting Tool

*netscout.timothychen.me*  
Ruby on Rails web app automating report  
generation for team performance data

### Lyrics Sanitizer

*lyrics-sanitizer.herokuapp.com*  
Ruby on Rails web app that analyzes song  
lyrics and censors explicatives

### QUESTify Photo Filter App

*questify-umd.herokuapp.com*  
Flask server using Facebook OAuth to  
generate branded profile photos

### Ecofy

*github.com/timothychen01/ecofy*  
PowerPoint Add-In/Macro to optimize a  
presentation for printing

### SquareUp

*github.com/timothychen01/square-up*  
Reimagination of the Computer Science  
Undergrad event registration page

## WORK EXPERIENCE

**Lyft, Incoming Software Engineering Intern** (Fall 2018)

**Google, Software Engineering Intern** (Summer 2018)

- Implemented an upcoming feature for Sheets Android and iOS apps using tools like cross-platform JS, J2ObjC, and Dagger dependency injection
- Wrote a design doc detailing options to share cross-editor (Docs/Slides) and cross-platform code for Sheets and presented a talk to provide background for the team
- Refactored cross-editor code to be more generic and refined previous assumptions specific to Docs and Slides to unblock implementation challenges on Sheets

**CMSC389k (Full Stack Web Dev with Node.js), Course Facilitator** (Spring 2018)

- Taught a 1 credit university course to introduce practical skills and modern tech
- Updated lecture materials, project specs, and course documentation

**CMSC351 (Algorithms), Undergraduate Teaching Assistant** (2017 - Present)

**Appian, Software Engineering Intern** (Summer 2017)

- Implemented frontend components in React.js and SAIL, Appian's proprietary language, allowing clients to build powerful and beautiful interfaces with little code
- Refactored product-level framework for determining requiredness failure in Java
- Presented use cases of text and image processing within the Appian platform
- Integrated Google Forms with Trello and Mattermost using incoming webhooks to automate form submission processing and to notify Graphic Design Guild members
- Documented internal SAIL functions to increase productivity and knowledge sharing

**Netscout, Software Engineering Intern** (Summer 2016)

- Developed and deployed to Heroku a secure Ruby on Rails web app analyzing team productivity, eliminating 5 man-hours of menial chart/metric generation per week
- Queried Rally APIs to generate and save reports in sqlite and postgres databases
- Implemented Resque/Redis background processing for running analysis scripts
- Crafted an intuitive and responsive dashboard with Highcharts.js data visualizations
- Fixed legacy code inaccuracies for generating defect severity metrics

**Triple G, LLC (acquired), Chief Technology Officer** (2015 - 2017)

- Generated widespread exposure (30 million views/month) through video content
- Provided domain management and responsive web design services
- Ported iOS applications from Objective-C to Swift and deployed to iTunes Store

## RELEVANT EXPERIENCE

**Technica, Tech Team Backend Lead** (2018 - Present)

- Lead 4-person team in building out a powerful open source hackathon expo app
- Architect Flask app implementation details and design parallelizable task list

**Bitcamp, Advisor, Co-Executive Director Emeritus** (2015 - Present)

- Led 70 organizers to plan and execute largest US spring hackathon (1,275 hackers)
- Raise and budget \$195,000+ in funds
- Led task force focusing on details that provide a great hacker/sponsor experience
- Coordinated with CS Department, VIPs, Facilities, vendors, sponsors, volunteers, and hackers to provide a seamless experience

**Smith Undergrad Student Association, Technology Committee Lead** (2015 - 2017)

- Provided domain management and Wordpress installations to member clubs
- Developed a smart quiz to recommend clubs based on student responses

## AWARDS AND ACHIEVEMENTS

Omicron Delta Kappa National Leadership Society, Sigma Circle (2018 - Present)

University of Maryland President's Scholarship (2015 - Present)

1st Place, Google NYC Intern Hackathon (see Metronome) (2018)

1st Place, IBM Design Challenge, QUEST Honors Program (2017)

3rd Place, Andreessen Horowitz (a16z) Battle of the Hacks 4.0 (see Alexagram) (2017)

\$2,500 Outstanding Pitch, Audience Choice Awards, Terp Tank (see Dinezen) (2017)

2nd Place, Deloitte Consulting Case Competition (UMD) (2017)

2nd Place, 1&1 Cloud API Challenge, YHack (2016)

2nd Place Overall, Daemon Dash Hackathon (see SquareUp) (2015)

National Merit Scholarship (College-sponsored) (2015)