

## 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 | C | Visual Basic | Ruby | Rails  
HTML | CSS | JavaScript | jQuery  
Node.js | React.js | Highcharts.js | Git  
Exposure to Swift, Objective C, Flask,  
React Native, MongoDB, SQL, UNIX

## SOFTWARE SKILLS

Heroku | GitHub | Jira | Jenkins | AWS  
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

### Alexagram

*devpost.com/software/alexagram*  
Holographic virtual assistant controlled via  
Amazon Alexa, built with Node.js,  
Express.js, and 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 scrum  
of scrums report generation by analyzing  
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*  
Reimagining of the Computer Science  
Undergrad event registration page

## WORK EXPERIENCE

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

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

- Implement image support for Google Sheets on Android and iOS

**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)

- Held weekly office hours to explain algorithm concepts, graded assignments/exams

**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 manual 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

## LEADERSHIP 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

**Honors College Student Programming Council**, President Emeritus (2015 - 2017)

- Coordinated with Honors College faculty and staff and led a team of ten to plan and execute social events with annual budget of over \$10,000

## AWARDS AND ACHIEVEMENTS

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

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

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)