

EDUCATION

University of Maryland, College Park
BS in Computer Science and Finance
QUEST Honors Program
Entrepreneurship/Innovation Program
Expected: May 2019 | GPA: 3.89

COMPUTER LANGUAGES

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

SOFTWARE SKILLS

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

PROJECTS

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

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

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
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, Incoming Software Engineering Intern (Summer 2018)

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

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
- Created and presented Appian: Machine Learning to show the power and customer 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 knowledgebase

Netscout, Software Engineering Intern (Summer 2016)

- Developed a Ruby on Rails web application to analyze team productivity, eliminating five man hours of manual chart and metric generation per week
- Queried Rally APIs to generate and save reports in sqlite and postgres databases
- Secured app through HTTP Basic Authentication and deployed to Heroku
- Implemented Resque/Redis background processing
- Crafted an intuitive and responsive dashboard using HTML with embedded Ruby, CSS, Javascript, JQuery, and Bootstrap, and Highcharts.js
- 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

Bitcamp, Co-Executive Director, Logistics Director Emeritus (2015 - Present)

- Lead team of 70+ organizers to plan and execute a 1,200+ attendee hackathon
- Manage \$195,000+ for food, facilities, power, network, and other expenses
- Lead Experience Team to design and implement the details that most hackathons skip over to provide the best hacker and sponsor experiences
- Coordinate with CS Department, Facilities Management, vendors, sponsors, volunteers, and hackers to provide seamless information and a great experience

QUESTDev, President and Lead Project Manager (2017 - Present)

- Lead team of 15 to develop, deploy, and maintain QUEST web applications

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

- Provide 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

- University of Maryland President's Scholarship (2015 - Present)
- Dean's List (CMSC and Smith School of Business) (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)
- 1st Place, CS Undergrad Challenge, Daemon Dash (see SquareUp) (2015)
- National Merit Scholarship (College-sponsored) (2015)