

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)

PROJECTS

Alexagram

devpost.com/software/alexagram
Holographic virtual assistant controlled via Amazon Alexa, built with Node.js backend

Dinezen

<http://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

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 applications built on Appian
- 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
- Rendered data into beautiful and responsive charts using Highcharts JS
- 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
- Fixed legacy code inaccuracies for generating defect severity metrics

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

- Generated widespread exposure (30 million views within a month) for social media accounts by creating video advertisements
- Delivered services such as domain management and responsive web design
- Updated and launched iOS applications using Swift and XCode

LEADERSHIP EXPERIENCE

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

- Lead team of 45 organizers to plan and execute a 1,300+ attendee hackathon
- Manage \$195,000+ for food, facilities, power, network, and other expenses
- Ensure reliable networking, power, multimedia, facilities management, and food
- Design schedule, ceremonies, logistics, and floor plans to provide the best hacker and sponsor experiences

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 - Present)

- Led committee of 4 to develop technologies to provide value to member clubs
- Provide domain management and Wordpress installation to member clubs
- Developed a smart quiz to recommend clubs based on student responses
- Revamped SUSA's Wordpress website, built with future maintainability in mind

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)

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

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

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

1st Place, Entrepreneurship and Innovation Case Competition (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)

John Harvey Memorial Scholarship, MDFBLA Board of Directors (2015)