TIMOTHY CHEN

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EDUCATION

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

PROGRAMMING 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

TECHNICAL TOOLS

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 student's
course schedule into Google Calendar

Metronome
github.com/timothychen01/metronome
Improving the metro experience via real-
time IOT displays of 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, *Software Engineering Intern* *(Fall 2018)*

Google, *Software Engineering Intern* *(Summer 2018)*
- Implemented image upload and insertion for Sheets Android and iOS apps using tools like cross-platform JavaScript, 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 web 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 top-level Java framework for calculating component states
- Prototyped and presented machine learning use cases 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)*
- Led a 4-person team in building out a powerful open source hackathon expo app
- Architected Flask app implementation details and designed 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)
- Raised and managed $195,000+ in funds
- Coordinated with university administration and officials, VIPs, facilities management, 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 response

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)*