CYRUS ROSHAN

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Education

University of Texas at Dallas, *Richardson, TX (Class of 2018, 3.62 GPA)*
BS, CS/SE (Computer Science Scholars Program, Collegium V Honors, AES Recipient)

TAMS @ University of North Texas, *Denton, TX (Fall 2013 – Spring 2015)*
Collegiate high school, took only college courses (76 hrs) and lived entirely on campus

Work Experience

Software Engineering Intern, Eager *(Summer 2016)*

- Added dynamic redirection for all redirect methods on CORS-circumventing reverse proxy, almost entirely correcting misspelled/unredirected urls and request headers
- Built unit and integration tests for reverse proxy service using Chromedriver
- Developed and implemented keystore service in Go for authenticating internal services and limiting API keys distribution to authorized services using token-based auth
- Migrated frontend build tool from Node 4.x to 6.x, built custom frontend UI form elements

Research Assistant, UNT *(Summer 2014)*

- Worked on semiconductor conductivity research under DoD scholarship
- Additionally developed a program to automate the entire testing/data collection workflow apart from physically pouring liquid nitrogen and rearranging cryostat pins

Leadership Experience

Director of HackUTD *(Summer 2016 - Present)*

- Lead organizer for HackUTD, directing the hackathon while scaling to 700 students
- Previously Director of Hardware for HackUTD

Director of Hardware, Tech Team Organizer, HackDFW *(Fall 2015 - Present)*

- Handled logistics, budget of multi-tiered hardware system for largest hackathon in Texas
- Developed an user challenge system for handling point-based rewards for solving puzzles

Skills

Languages: Go, JavaScript (ES6, CoffeeScript), C++, Python, Java, SQL, AHK, HTML/CSS

Technologies: Node, Git, React+Redux+Webpack, UNIX, Sass, Stylus, AWS, Chromedriver, Angular, Electron, ionic, Arduino, Illustrator

Projects

Powerglove *(MLH Prime Spring Finale, Summer 2016)*

- Wearable glove to control finger movement used to either teach users skills requiring dexterity (e.g. piano) or as rehabilitation (e.g. stabilizing hands of users with Parkinson's)
- Additionally could record and stream data from another user's hand using a leapmotion
- *2nd Place, ZTE sponsor award*

Spin to Win *(HackPrinceton, Spring 2016)*

- Functional 3d scanner made for under $20, used a 10¢ reflective IR LED for scanning
- Recreated test objects with +95% point accuracy, assuming nonreflective surfaces
- *Top 10, Most Technically Challenging, Google sponsor award*

Relay *(Pennapps XIII, Spring 2016)*

- Personal wearable assistant for Alzheimer's patients, using voice recognition to answer personalized questions about the user's daily habits, past activities, family, etc.,
- Created accompanying app for caretakers to monitor users and add information
- *Best Houndify API Hack, Blackstone sponsor award*

Digital Coffee *(Pennapps XII, Fall 2015)*

- 3d printed glasses that wake the wearer up when they start falling asleep
- Created an accompanying app for sleep monitoring and data analytics on raw sensor data
  Top 10, Best use of Health Device or Health Dataset, UTD Business Competition Semifinalist