

CYRUS ROSHAN

Product-Focused Backend Engineer
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Education

University of Texas at Dallas - (Class of 2018, 3.51 GPA)
BS, Computer Science, Software Engineering (Collegium V Honors, AES Recipient)

Work Experience

LinkedIn - UI Engineering Intern - (Summer 2017)

- Developed mobile modal intro page to increase the mobile web user -> mobile app user conversion rates, complete with unit/integration tests, and A/B testing with user tracking
- Actively contributed to product planning (H2 plans, individual projects), design team brainstorming, team management discussion, and eng. development practice meetings

Cloudflare - Systems Engineering Intern - (Spring 2017)

- Refactored and maintained the Cloudflare Apps preview service, allowing Cloudflare apps to be previewed and customized on any website, with near-full functionality
- Reduced preview service's average CPU usage by over 70%
- Heavily refactored Stout, our open source deploy tool, to increase readability, portability, maintainability, and allow for easier contributions from outside contributors

Eager - Software Engineering Intern - (Summer 2016)

- Added dynamic redirection for all redirect methods on CORS-circumventing reverse proxy, and built unit and integration tests, correcting misredirected links by over 90%
- Designed, developed, and implemented a keystore service, 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

University of North Texas - Research Assistant - (Summer 2014)

- Automated the entire research data collection process, apart from physically pouring liquid nitrogen and swapping cryostat pin wiring, for which lab assistants were notified

Leadership Experience

HackDFW - Director of Hardware, Tech Team Organizer - (Fall 2015 - Fall 2017)

- Handled hardware logistics, budget, for the largest hackathon (2000 attendees) in Texas
- Developed an online attendee challenge system to generate puzzles and reward solutions

Skills

Languages: Golang, JavaScript (ES6, CoffeeScript), C++, Java, Python, SQL (Postgres), AHK

Technologies: AWS, Node.js, Electron, Git, cURL, HTML/CSS (Sass, Stylus), Chromedriver, Chrome Extensions, Angular, Ember, Ionic, Arduino, Photoshop, Illustrator, Garageband

Hackathon Projects

Electric Boogaloo (See Blog) - (HackPrinceton, Princeton University) - (Fall 2016)

- Electronic banjo with highly accurate fret/string combo input and LEDs inside neck
- Accompanying web app displayed and played user-pressed fret/string combos in realtime
- Chords could be selected on web app to be displayed in embedded LED grid on fretboard
- *1st place, Best Design Award, Best DIY Award*

Powerglove - (MLH Prime Spring Finale, Bell Labs) - (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)
- Recorded and live streamed movement data from another user's hand using a leapmotion
- *2nd Place, ZTE sponsor award*

Spin to Win (See Blog) - (HackPrinceton, Princeton) - (Spring 2016)

- Functional rotating 3d scanner for less than \$20, used a 10¢ reflective IR LED for scanning
- Recreated test objects with >95% point accuracy on matte surfaces
- *Top 10, Most Technically Challenging, Google Moonshot Award*