Swaathi Raghunandhan

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Education

Bachelor of Science | University of Illinois Urbana-Champaign | Expected Graduation: May 2021

- **Major:** Computer Science + Linguistics,
- **Related coursework:** Data Structures, Computer Architecture, Algorithms, UI/UX, Databases, PM

Software Skills & Abilities

- **Programming:** Java, C++, Python
- **Tools & Technologies:** Graviton, graphQL, gRPC, Google Guice, Apache Maven, Redis, SQL, vim, SDLC, end-to-end testing
- **Web development:** HTML5, CSS3, JavaScript, Angular.js, Bootstrap, Adobe XD/Lightroom

Extracurricular Activities & Projects

National Organization for Business and Engineering

- Consulted with an on-campus start-up accelerator to help organization improve outreach
- Designed national website to promote annual conference using HTML and CSS
- Developed and tested new products with a product management team using CAD

Electrophysiology/Language Processing Lab Assistant

- Works as a lab assistant to design and implement experiments involving natural language processing and computational linguistics
- Develops scripts for efficient data analysis regarding underlying language processing across populations

ECE Pulse Designer

- Designs recruitment material for annual Illinois Electrical and Computer Engineering Pulse conference in the Spring
- Uses Illustrator, Adobe XD, and Photoshop to design around conference theme for effective engagement of students and sponsors

Experience

Software Engineering Intern | Yahoo! | Sunnyvale, CA | May 2019 – Aug 2019

- Redesigned and implemented specific REST API functionality with middle tier team for Yahoo! Weather and News
- Migrated to Graviton technology allowing federation of downstream services, scope caching to collapse object fetches, and support for polyglot clients
- Optimized news content platform by injecting Redis cache to enhance user experience

Software Engineering Intern | 4F Systems | Santa Clara, CA | May 2018 – Aug 2018

- Designed and built investment UI dashboard for a money-lending fin tech startup that displayed customer analytics data including business and consumer account compositions, WA rate, and active risk
- Collaborated via bitbucket to implement sets of directives using Angular 4 based on product specifications
- Gained exposure working in a start-up environment through full immersion into product development

NATCAR Marketer | UC Davis ECE Department | Davis CA | June 2018 – August 2018

- Devised outreach projects and material to recruit teaching assistants and high school team members interested in STEM to participate in a university hosted robotics competition
- Created project portfolio containing fundraising proposals to design effective marketing presentation for potential sponsors

Coding Instructor | NRIVA Summer Stem Program | Milpitas, CA | July 2018

- Created introduction to programming curriculum for high school students interested in STEM
- Instructed crash course in Python programming containing several real-life coding applications and structured exam