

Swaathi Raghunandhan

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Education

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

- **Major:** Information Systems & Information Technology
- **Minor:** Computer Science
- **Related coursework:** Data Structures, Discrete Structures, AI, ML, Computer Architecture, UI/UX Design, Databases, Data Science, Product Management

Software & Design Skills

- **Programming:** Java, Python, C++, C, Verilog, R
- **Tools & Technologies:** Graviton, GraphQL, gRPC, Google Guice, Apache Maven, Redis, SQL, vim
- **Web & Mobile development:** HTML5, CSS3, XML, JavaScript, Angular.js, Bootstrap, Android
- **Design tools:** Adobe XD, Adobe Lightroom, Illustrator, Photoshop, Sketch
- **UI/UX design portfolio:**
<https://www.behance.net/swaathiraghuna>

Extracurricular Activities & Projects

Run the World | Android App

- Illustrated initial storyboard and iterated through multiple designs to create low and high-fidelity prototypes for a gamified running app
- Conducted user interviews based on product specifications to ensure proper UI/UX development
- Implemented back end functionality in Java and front end in XML for final responsive app

Recipe-Z | iPhone XS | UI/UX

- Modeled user, logical, and behavioral views of information system by designing use case diagrams, sequence diagrams, and finite state machines
- Designed UI/UX for iPhone app in Adobe XD by applying emerging design trends

Disney+ Reanimated | iPhone XS | UI/UX

- Re-designed Disney+'s existing app UI to incorporate Hulu, Netflix, and HBO mobile app trends allowing for a more refined design
- Set basis for future storyboard and user interviews

National Organization for Business and Engineering

- Developed and tested new products as part of a product management team using CAD & SDLC tools
- Designed national website to promote annual conference using HTML and CSS

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 and display most relevant articles
- Developed unit tests to ensure proper dependency binding and implementation of new API calls

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

Electrophysiology/Language Processing Lab

Assistant | UIUC | Urbana, IL | Oct 2018 – May 2019

- Worked as a lab assistant to design and implement experiments involving natural language processing and computational linguistics
- Developed scripts in MATLAB for efficient data analysis regarding underlying language processing across different cultural populations
- Researched P600 and P400 event-related potentials for insight into grammatical and syntactical errors in sentence processing

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

- Created introduction to Python programming curriculum for high school & middle school students interested in STEM
- Instructed crash course in Python programming containing several real-life coding applications and structured exam
- Designed portfolio for younger students to have comprehensive introductory python cheat sheet