Rishabh Swarnkar

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Professional Summary

I am currently an undergrad at the University of Illinois at Urbana-Champaign pursuing my education in computer science and mathematics. I've gained experience in various areas of information technology, primarily in mobile development and full-stack. I've gone through an evolving startup culture at Replicon, and am transitioning into a more structured corporation environment at Capital One. I am looking for opportunities to gain practical experience to fulfill my career and academic goals in software engineering and data science.

Experience

Software Engineering Intern

Capital One, Champaign, IL, August 2017 - December 2017 (Expected)

Mobile Development Intern

Replicon, Inc., Redwood City, CA, May 2017 - August 2017

-Created a face recognition application using OpenCV libraries, primarily utilizing the Eigenfaces algorithms.

-Developed an improved system of push notifications for clients, with approval actions for requested timesheets and expenses.

-Built a drawer of app shortcuts, enabling clients using 3D-Touch on their iPhones or running Nougat on Android devices to access frequently used functions with one click.

-All code was reviewed, perfected, and pushed to production.

Software Engineer

Mesh++, Champaign, IL, January 2017 - May 2017

-Wrote Python scripts to parse data from wireless nodes' mesh-based connectivity (i.e. times of connections/disconnections, MAC addresses of connected devices).

-Used SQL database to store information, and monitor network.

-Worked on remote sensing applications for firmware in C.

-Secured 2nd place at Cozad New Venture Competition, a competition for student-run startups. Received over $10,000 in prize money for future funding and development.

Projects

GaanaGuru

-Developed an Android App that allows students and teachers of Indian Classical Music to contribute to an open-source library of raagas (the framework for this genre of music).

-Users can add and record music for particular raagas, making individuals able to learn without the necessity of finding a teacher.

-Built using Google Firebase hosting as the backend/server. Primarily uses Firebase Authentication and Storage modules.

FlickFiltr

-Built a movie-filtering program which provides up-to-date rankings for movies based on popularity, rating, and genre.

-Uses HTTP get requests to accumulate and parse JSON data, facilitated by use of Gson dependency.

Education

B.S., Computer Science and Mathematics

University of Illinois at Urbana-Champaign • Champaign, IL • December 2019 (Expected) • 3.3 GPA

Relevant Coursework

Data Structures and Algorithms (C++) • Applied Linear Algebra • **Computer Architecture** • Software Design Studio (Java)