

Rohin Bhasin

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EDUCATION

University of Illinois Urbana-Champaign

BS/MCS in Computer Science · GPA: 3.95 · James Scholar · Chancellor's Scholar

Urbana-Champaign, IL

BS May 2020, MCS May 2021

Relevant Coursework: Distributed Systems, System Programming, Algorithms & Models of Computation, Computer Security, Machine Learning, Applied Cryptography, Communication Networks, Data Structures, Software Design, Computer Architecture

EXPERIENCE

Facebook Reality Labs

Software Engineering Intern

Remote / New York, NY

May 2020 - Present

- Intern on the Research Engineering Team for CTRL-labs, a division of FRL (acquired) building a neural interface platform.
- Designed and built a service to provide remote docker build functionality using Go, Docker, Kubernetes, and Python.

Lyft

Software Engineering Intern

San Francisco, CA

May 2019 - Aug 2019

- Built a feature with Python and Postgres that allows teams to specify arbitrary user targeting criteria for their experiments.
- Designed and implemented a feature to allow teams to create their own validation logic for experiments, thereby greatly increasing the reliability of A/B tests in production.
- Designed and implemented automated system for handling metric computation failures in Airflow.

Jump Trading

Software Engineering Intern

Champaign, IL

Jan 2019 - May 2019

- Built regression suite for internal market data visualization software using parallel, real-time processing of data feeds in C++.

Impinj

Software Engineering Intern

Seattle, WA

May 2018 - Aug 2018

- Enhanced inventory jobs in the ItemSense API to more efficiently sweep for RFID tag locations.
- Extended the ItemSense API with support for querying by multiple filters and multiple jobs for increased customer ease-of-use.
- Designed and implemented telemetry infrastructure to intelligently collect data from running instances of ItemSense using multiple AWS tools for production deployment.

Capital One

Software Engineering Intern

Champaign, IL

Jan 2018 - May 2018

- Implemented a product recommendation system for Menard's website based on products in a shopper's cart.
- Used Python, R, and Postgres to implement, test, and compare multiple algorithms' effectiveness with shopper transaction data.

LEADERSHIP

Department of Computer Science

Course Assistant

University of Illinois

Jan 2018 - Dec 2019

- *Aug 2019 - Dec 2019: CS 461, Computer Security:* Hold office hours, write and grade exam questions, and develop assignments for computer security concepts within application security, web security, cryptography, and network security.
- *Jan 2019 - Dec 2019: CS 241, System Programming:* Teach lab sections, hold office hours, and develop assignments for operating systems concepts including multithreading, networking, memory management, filesystems, processes, and more.
- *Aug 2018 - Dec 2018: CS 233, Computer Architecture:* Teach lab sections and hold office hours for computer architecture concepts including computer processor design, assembly programming, pipelining, caching, memory, multicore, and more.
- *Jan 2018 - May 2018: CS 126, Software Design Studio:* Teach and grade students in weekly code reviews focused on topics including software design, test-driven development, control flow, style, and proper object-oriented programming.

HackIllinois

Outreach Director & Staff

University of Illinois

Sep 2017 - May 2019

- Lead a team of 15 members to coordinate all sponsor and mentor outreach efforts for HackIllinois 2020.
- Work personally with 30+ corporate sponsors and 100+ open source contributors to plan UIUC's annual hackathon.

PROJECTS

Pick-Six: Android application for real-time NFL game polling and live stats, built with Java & Firebase.

To-Do: Full-stack web application for managing tasks, built with Node.js, Express.js React, & MongoDB.

SpreadBread: iOS application/Node.js server to help volunteers deliver perishables from restaurants to soup kitchens.

SKILLS

Languages: Python, C, C++, Go, Java, JavaScript (Node.js, React), SQL, HTML/CSS

Tools & Technologies: Docker, Kubernetes, TDD & BDD (JUnit, Cucumber), Spring, Android, PostgreSQL, MongoDB, MariaDB, NumPy