Rohin Bhasin

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EDUCATION

University of Illinois Urbana-Champaign   Urbana-Champaign, IL
BS in Computer Science · GPA: 3.95 · James Scholar · Chancellor's Scholar   *BS May 2020, MCS May 2021*
Relevant Coursework: System Programming, Algorithms & Models of Computation, Computer Security I, Machine Learning, Data Structures, Programming Languages & Compilers, Software Design, Computer Architecture, Text Information Systems

EXPERIENCE

Lyft   San Francisco, CA
Software Engineering Intern   *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 their 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   Champaign, IL
Software Engineering Intern   *Jan 2019 - May 2019*
- Built regression and testing suite for internal market data visualization software using C++ and parallel, real-time processing of data feeds.

Impinj   Seattle, WA
Software Engineering Intern   *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   Champaign, IL
Software Engineering Intern   *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' effectivness with shopper transaction data.

OTCR Consulting   University of Illinois
Technical Consultant   *Sep 2017 - May 2018*
- **Spring 2018:** Built a candidate-filtering application for a recruiting company with Python, SQLite, and Flask and helped build a serverless automated emailing application with Node.js and AWS Lambda.
- **Fall 2017:** Defined a market entry strategy for a Chicago-based startup with competitor analysis and a go-to-market timeline.

LEADERSHIP

Department of Computer Science   University of Illinois
Course Assistant   *Jan 2018 - Present*
- *Jan 2019 - Present*: **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   University of Illinois
Outreach Staff & Director   *Sep 2017 - Present*
- 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++, Java, JavaScript (Node.js, React), SQL, HTML/CSS

Tools & Technologies: Git, TDD & BDD (JUnit, Cucumber), Flask, Docker, Spring, Android Studio, Express, PostgreSQL, MongoDB, MariaDB, NumPy