

Rohin Bhasin

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EDUCATION

University of Illinois Urbana-Champaign

Urbana-Champaign, IL

BS in Computer Science · GPA: 3.98 · James Scholar · Chancellor's Scholar

B.S. May 2020

Relevant Coursework: System Programming, Software Design, Data Structures, Algorithms & Models of Computation, Computer Architecture, Text Information Systems, Linear Algebra, Statistics and Probability, Numerical Methods

EXPERIENCE

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.
- Worked with test-driven development and behavior driven-development to develop with Java, Spring, MariaDB, and Docker.

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 and R to implement and test multiple algorithms on their effectiveness with shopper transaction data from PostgreSQL and AWS.

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, go-to-market timeline, and sales recommendations.

The University of Chicago Institute for Molecular Engineering

Chicago, IL

Research Assistant & Data Analyst Intern

Jul 2017 - Aug 2017

- Designed and implemented a module for a big data analysis suite used by a graduate lab to analyze molecular simulations using Python and NumPy.

LEADERSHIP

CS 233: Computer Architecture

University of Illinois

Course Assistant

Aug 2018 - Present

- Teach a variety of concepts in computer architecture, including computer processor design, assembly programming, pipelining, caching, memory, multicore, and more.
- Assist in weekly labs and office hours, and work with other course staff to design course assignments and develop autograding infrastructure.

CS 126: Software Design Studio

University of Illinois

Course Assistant & Moderator

Jan 2018 - May 2018

- Teach students software design, test-driven development, control flow, style, and proper object-oriented programming.
- Led two weekly code reviews of six students each and grade projects written in Java and C++.

HackIllinois

University of Illinois

Outreach Staff

Sep 2017 - Present

- Contact and work with 30+ company sponsors to fund, set up, and manage UIUC's annual, open source hackathon.
- Reach out and coordinate mentorship and connection of attendees to 100+ mentors from the Open Source community.

PROJECTS

Pick-Six: Android application for real-time NFL game polling and live stats, built with Android & 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: Java, Python, C, C++, JavaScript (Node.js, React), SQL, HTML/CSS

Tools & Technologies: Git, TDD & BDD (JUnit4, Cucumber), Docker, Spring, Android Studio, Flask, Express, PostgreSQL, MongoDB, MariaDB