



CHRIS SHROBA

Software Engineer

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EDUCATION

Bachelor of Science –
Masters of C.S. May 2017

University of Illinois
at Urbana Champaign

Relevant Coursework

- Algorithms • Machine Learning
- Distributed Systems • Networking
- Artificial Intelligence • Databases
- Systems Programming • Data Structures
- Programming Language Design



Tech

PYTHON 3 YRS

JAVA 5 YRS

MYSQL & MONGO 3 YRS

RESTFUL DESIGN 3 YRS

GOLANG 0.5 YRS



EMPLOYMENT

Summer
2016



Google **Software Engineering Intern**

Designed and built Java backend for a new tool for fetching payment information for Google Express transactions

Met and collaborated with other engineers, designers, and product managers to create the optimal interface to the service

Summer
2015

Fall–Spring
2015–2016



Sprout Social **Software Engineering Intern**

Part–time Platform Engineer

Led the design, implementation, and deployment of the backend for several new features of the web application

Built, tested, and managed these features in Django (Python), guided by test driven development

Collaborated with frontend & design teams to craft the best possible user experience

Summer
2014

RetailMeNot, Inc. **Software Engineering Intern**

Designed and implemented a full stack web application with another intern to manage RetailMeNot’s interview process

Built the entire backend, using Python/Flask and MongoDB



Implemented a robust permissions model and secured the app from vulnerabilities like CSRF attacks and untrustworthy clients

Improved the efficiency of the process of tracking candidates for hiring managers, recruiters, and interviewers

Summer
2013



Argonne National Laboratory **Intern**

Created 3D CAD models in Autodesk Inventor of parts for the ATLAS Particle Accelerator from 2D drawings

Assisted in the installation of these parts after the models were sent to manufacturers to make



SIDE PROJECTS

Fall–Present
2016–

Persona **Social Relations Manager App**

Leading development, product design and management, and UX design

Tracks things you want to remember about people you encounter and encourages you to keep in touch with them

Spring
2015

Light the Stairs **Hardware / Raspberry Pi Project**

Helped design and implement a temporary customizable LED light display in the staircase of a university building

Led creation of a web interface for interacting with the system

Implemented several light displays, including one which automatically syncs to music: youtu.be/4UJPCzjXVqA

Fall
2014

OCRa **Productivity App**

Led backend development on an app allowing users to find a digital copy of a text like a book, article, or flier, from a photo

Uses OCR APIs with some custom filtering and automatic Google queries to choose the most likely source of the text

MHacks 2014 submission (University of Michigan Hackathon)