

PRESTON RAKOVSKY

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EDUCATION

Northeastern University, Boston, MA

Sept 2018 – Present

Khoury College of Computer Sciences

Bachelor of Science in Computer Science & Business Administration (Entrepreneurship)

Expected Dec 2022

Relevant Courses: Algorithms and Data Structures, Software Engineering, Database Management Systems, OS

GPA: 3.6/4.0 | Dean's List

COMPUTER KNOWLEDGE

Languages: Python, Go, SQL, Java, JavaScript, ReactJS, PHP, HTML/CSS

Tools/Libraries: REST API, AWS Lambda, S3, gRPC, Protocol Buffers, Git, Postman, Pandas, Spark

WORK EXPERIENCE

May – Aug 2022

Noom, Software Engineer Intern

New York, NY

- Improved LTV/CAC by 2.5% by building out React experiments for the growth team's pre-sale survey
- Updated cancellation page with ability to cancel new features using React, Redux, and REST endpoints
- Built Django REST endpoint to return referral metadata using Python, SQL, and Kotlin
- **Leveraged knowledge** in frontend development, React, Python, & SQL

May – Dec 2021

Datadog, Software Engineer Intern

New York, NY

- Migrated out new gRPC service to resolve key-value requests using Go and Protocol Buffers
- Decreased p99 latency of gRPC endpoint by 31% by utilizing worker pool to make writes to database async
- Built Cuckoo Filter data structure from original white paper in Go to achieve quick lookup performance
- **Leveraged knowledge** in backend development, Go, gRPC, Protobuf, Redis & Postgres

Aug – Dec 2020

Poloniex, Software Engineer Intern

Boston, MA

- Decreased CPU utilization by 28% by refactoring PHP code to utilize in-memory cache to store SQL result-set
- Integrated pre-existing software to communicate with new micro-services based in Docker
- Rigorously tested web socket functions for code coverage with unit tests in Go
- **Leveraged knowledge** in backend development, Go, Docker, database systems (PostgreSQL) & Git

Jun – Aug 2020

Dell Technologies, Software Engineer Intern

Hopkinton, MA

- Increased FY 2021 vulnerability ticket volume by 843% by using REST APIs and Python to integrate vulnerability management system with internal ticketing system
- Built Python-based ETL data pipeline to extract data on batch-basis, utilizing Pandas and Numpy

May – Aug 2019

ING Financials LLC, IT Development Solutions Intern

New York, NY

- Spearheaded development of interactive internal SQL Mapping tool in Java

PROJECTS

Food Flock, Co-founder (React Native, Python, Firebase, AWS Lambda, S3)

Aug 2020

- Card swiping iOS app that facilitates the decision making process over where to eat; users swipe on restaurant cards that incorporate restaurant and menu data of over 1,000,000 restaurants
- Built out product features based on time/space complexity, user experience and financial tradeoffs
- Led 40+ sprint meetings to discuss product direction and weekly tickets with 3 engineers and 1 designer
- Raised \$5,000 in funding through grant from Jelly Incubation Fund
- 1,000+ impressions, 100+ downloads on iOS App Store

ACTIVITIES

Sep – Nov 2019

NU SPLASH, Introduction Computer Science Co-Teacher

Boston, MA

- Developed and co-led basic fundamentals of computer science curriculum for high school students

Oct – Dec 2018

Sustainable Business Network, Business Interviewer

Boston, MA

- Conducted interviews with CEOs of businesses in the Greater Boston Area about their business practices