MARK A. BRYAN

PERSONAL INFORMATION

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EDUCATION

Bachelor of Science in Computer Science

Aug 2014–May 2018   Cornell University — Ithaca, NY

College of Engineering · Dyson Business Minor for Engineers
GPA: 3.50/4.0 · *Honors:* College of Engineering Dean's List

COURSEWORK

Completed

Data Structures
Discrete Structures
Introduction to Database Systems
Operating Systems
Networks

Computer Architecture and Programming
Probability and Statistics for Engineers
Functional Programming and Data Structures
Natural Language Processing

In Progress   Analysis of Algorithms   System Security

EXPERIENCE

Jun 2016–Aug 2016   Software Engineer Intern

Toast, Inc.

Improved database layer of Toast's core web application, increasing the reliability of deploying database schema changes in both development and production environments, ultimately improving the efficiency of the engineering team. Presented changes to 40+ member engineering team and developed tooling and documentation to rollout changes.

Jan 2014–Present   Developer

Cornell App Development

Develop applications for Cornell's iOS development team. Implemented features such as a today widget for the team's Eatery app and custom audio players for the group's feed-based music-sharing app. Identified and fixed bugs in team's apps.

Aug 2016–Present   Teaching Assistant, Database Systems

Cornell University

Conduct weekly office hours, create and update course assignments and solutions, and participate in grading for Cornell's Introduction to Database Systems course, CS4320/5320.

PROJECTS

NFL Arrests iPhone App

iPhone application that shows the top crime-committing players in the NFL. Connected app to NFL Arrests API to access JSON data and parse into Player, Arrest, and Team models. Written in Objective-C and documented work on GitHub.

Guestbook

Guestbook-style web application built in Python with Django framework for fraternity to optimize the sign-in process for rush week events.

COMMUNITY SERVICE

Engineering Peer Advisor

Organize and present at weekly meetings with new engineering students to introduce them to Cornell's College of Engineering resources.

Tutor

Developed tutoring and communication skills through various tutoring programs. Partnered with Learn To Be, a national online tutoring organization that connects disadvantaged students with volunteer college tutors.

PROGRAMMING SKILLS

Basic   RUBY
Intermediate   OBJECTIVE-C, C, PYTHON, JAVASCRIPT
Advanced   JAVA, SWIFT, SQL, LATEX

OTHER INFORMATION

GitHub   https://github.com/mrkbryn
Interests   Guitar · Biking · Cold-brewed coffee · *The Office*