

# 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: 3.5/4.0 · *Honors*: College of Engineering Dean's List

## COURSEWORK

*Completed*      Data Structures      Computer Architecture and Programming  
Discrete Structures      Probability and Statistics for Engineers  
Introduction to Database Systems      Functional Programming and Data Structures  
Operating Systems      Natural Language Processing  
Networks

## 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 participate in grading for Cornell's Introduction to Database Systems course, CS 4320.

## PROJECTS

*Hub Android App*      Android developer for early-stage startup. Building Android app that integrates with popular music platforms for creating collaborative playlists.

*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](#).

*Smoker*      Guestbook web application built in Ruby 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, GRADLE  
*Advanced*      JAVA, SWIFT, SQL, L<sup>A</sup>T<sub>E</sub>X

## OTHER INFORMATION

*GitHub*      <https://github.com/mrkbryn>

*Interests*      Guitar · Biking · Cold-brewed coffee · *The Office*