

PRABHAV CHAWLA

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EDUCATION

Georgia Institute of Technology, Atlanta, GA

August 2016 – Present

- Bachelor of Science in Computer Science; GPA: 3.93/4.0 *Expected Graduation: December 2019*
- Relevant coursework: iOS Developer Nanodegree by Udacity, Machine Learning, Advanced Algos, Intro to AI, Design and Analysis of Algos, Data Structures and Algos, Object Oriented Programming
- Concentrations: Intelligence & Theory

WORK EXPERIENCE

Pindrop, Atlanta, GA

May 2018 – August 2018

Software Engineering Intern

- Worked in a SCRUM environment to develop a new release of Pindrop's voice fraud detection application. Used ReactJS on the front-end, a Ruby on Rails API and a MySQL database on the backend.
- Added new functionality to the API, wrote rake tasks to set up and populate the database, wrote RSpec unit tests to improve test coverage, started using Cypress for end-to-end tests, created new React components, worked with UX team to implement UI enhancements, fixed bugs reported by QA and customers.

Center for Academic Success, Georgia Tech, Atlanta, GA

August 2017 – Present

Peer-Led Study Tutor

- Plans and holds tutoring sessions twice a week for a Linear Algebra class of 200 students
- Obtained a level 2 tutoring certification from CRLA (College Reading & Learning Association)

Mylan, Canonsburg, PA

May 2017 – August 2017

Application Developer Intern

- Designed an iOS app for Mylan's office of the CIO to track performance metrics of over 250 IT projects:
 - Application notified users of high-risk projects, thus enabling prompt action from Project Managers
 - Integrated the authentication process with ADFS, allowing users to log-in via company credentials
 - Utilized the Charts library to create interactive dashboards from project data fetched via SOAP calls

School of Interactive Computing, Georgia Tech, Atlanta, GA

December 2016 – April 2017

Student Research Assistant at Contextualized Support for Learning Lab

- Improved user accessibility and UX for the open-source Runestone Interactive eBooks project:
 - Refactored code for the platform's audio tour feature written in JavaScript
 - Created custom key bindings using the CodeMirror API to aid keyboard-dependent users
- Developed practice exams for the AP Computer Science eBook, used by over 10,000 students

PROJECTS

HomeRun

January 2018 – April 2018

- Designed an Android application to help Atlanta's homeless people find and reserve spots at local shelters
- Used Firebase authentication and real-time database to support multi-user networking, created custom UI elements and features to improve user experience

T-Square Gradebook

August 2017 – October 2017

- Worked on an iOS app that allows students to view class grades in a user friendly, lightweight mobile UI
- Enabled support for Georgia Tech's CAS and two-factor authentication process, used the SwiftSoup library to parse HTML data fetched from T-Square (the official gradebook portal) without API access

Halite Game Bot

February 2017 – April 2017

- Wrote a heuristics-based bot in Python to compete in the Halite game challenge; topped local leaderboards
- Implemented a tournament structure for other bots to compete in through a Django application hosted on AWS Elastic Beanstalk

Analogy Question Solver AI

November 2016

- Trained a word2vec model on the Wikipedia corpus using the Gensim library and Python's NLTK library
- Tested the model on analogy question extracted from documents using regex; reached 75% accuracy

SafeWalk

September 2016

- Used Python to handle network requests for an app which suggests the safest way to walk between places
- Led a team of four to implement the application for Georgia Tech's campus map at HackGT

SKILLS

- *Languages:* Python, Swift, Ruby, Java, JavaScript, SQL
- *Frameworks:* iOS development, Ruby on Rails, Webapp2, ReactJS, Android development