

PRABHAV CHAWLA

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EDUCATION

Georgia Institute of Technology, Atlanta, GA

August 2016 – Present

- Bachelor of Science in Computer Science; GPA: 4.0/4.0 *Expected Graduation: December 2019*
- Relevant coursework: iOS Developer Nanodegree by Udacity, Machine Learning MOOC by Andrew Ng, Introduction to AI, Data Structures and Algorithms in Java, Object Oriented Programming in Java

WORK EXPERIENCE

Center for Academic Success, Georgia Tech, Atlanta, GA

August 2017 – Present

PLUS Tutor

- Plans and holds tutoring sessions twice a week for a Linear Algebra class of 200 students
- On track to obtain 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 executives to track key metrics of internal IT projects:
 - Integrated the authentication process with ADFS, thus allowing users to log-in via company credentials
 - Made SOAP calls to obtain data from company's servers and the iOS Charts library to create dashboards
- Debugged a C# application that created zone files for DNS records using AWS Route 53 SDK for .NET

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:
 - Revamped the platform's audio tour feature using JavaScript and jQuery
 - Helped in creating custom key binding 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

Halite Game Bot

February 2017 – April 2017

- Wrote a heuristics-based bot in Python to compete in the Halite 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 using the Gensim library and Python's NLTK library to understand relationships between different words
- Tested the model on analogy question extracted from documents using regex; reached 75% accuracy

DisMap

October 2016

- Used a MySQL instance on AWS to manage the database of an Android app which scrapes Yelp reviews to identify businesses with recorded incidents of racism or sexism
- Visualized the data in the app using the ArcGIS Runtime SDK

SafeWalk

September 2016

- Provided backend support for an iOS app which suggests the safest way to walk from origin to destination:
 - Applied data analytics on crime logs using Python to classify streets as safe or unsafe
 - Used Python to manage network requests to the Google Maps API, and compute safety scores for each route
- Led a team of four to implement the application for the Georgia Tech campus map at HackGT

SKILLS

- Advanced:* Java, Swift, Python
- Intermediate:* HTML & CSS, JavaScript, MATLAB, MySQL

ACTIVITIES

The Agency – AI Club at College of Computing • Member

August 2016 – Present

- Built a bigram Markov chain text generator in Python to emulate the US Presidential Debate

Student Government Association IT Board • Member

August 2016 – Present

- Revamped the tellburdell.gatech.edu website using Drupal