

PRABHAV CHAWLA

pc_1998@gatech.edu | Atlanta, GA 30318 | (404) 409-9499 | <https://github.com/pc98> | <http://prabhavchawla.me>

EDUCATION

Georgia Institute of Technology, Atlanta, GA

August 2016 – Present

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

Expected Graduation: December 2019

WORK EXPERIENCE

Mylan, Canonsburg, PA

May 2017 – August 2017

Application Developer Internship

- 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
- Won the HackHarassment prize at HackNC

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

Languages

- *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