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, Data Structures and Algorithms in Java, Object Oriented Programming in Java

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 JavaScprit 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