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, Design and Analysis of Algorithms, Data Structures and Algorithms in Java, Object Oriented Programming in Java

WORK EXPERIENCE

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
- 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's office of the CIO to track key metrics of over 250 IT projects:
  - Integrated the authentication process with ADFS, thus allowing users to log-in via company credentials
  - Utilized the Charts library to create interactive dashboards from project data fetched via SOAP calls
- Debugged a C# application that created zone files for 150 domain names newly acquired by Mylan using the 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 with 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

T-Square Gradebook　　　　　　　　　　　　　　　　　　*August 2017 – Present*
- Working on an iOS app that allows students to view class grades in just one-click and notifies students when new grades are posted
- App currently supports Georgia Tech's CAS and two-factor authentication process, and uses the SwiftSoup library to parse HTML data fetched from T-Square (the official gradebook portal)

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 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

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 Georgia Tech's campus map at HackGT

SKILLS

- *Intermediate:* Java, Swift, Python
- *Beginner:* HTML & CSS, Bash, Git, JavaScript, MATLAB, MySQL

ACTIVITIES

- Member of The Agency – AI Club at College of Computing and of the IT Board of the Student Government Association