

NILAY MEHTA

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OBJECTIVE

To obtain a summer 2018 internship involved in software development.

EDUCATION

Georgia Institute of Technology · Atlanta, GA Expected Graduation: May 2020
Candidate for Bachelor of Science in Computer Science GPA: 3.72/4.0
Threads: Intelligence & Information Internetworks
Relevant Coursework: Data Structures and Algorithms, Objects and Design, Discrete Math, User Interface and Design (Fall 2017), Computer Organization and Programming (Fall 2017), Intro to Artificial Intelligence (Fall 2017)

SKILLS

Languages and Related Skills: Proficient in Python (OpenCV, Autopy, PIL, Numpy, Flask), Java, TypeScript(Angular2), HTML5, Familiar with Spring Boot, Pivotal Cloud Foundry

Applications: Adobe Photoshop, Adobe Illustrator, Simplify3d

PROJECTS AND WORK EXPERIENCE

Home Depot - Associate Developer · Atlanta, GA January 2017 to Present

- Lead for team of four developers in product targeted to use Pinterest account data for product recommendations.
- Developing smart product recommendation engine for HD website using Co-occurrence Networks in Spring 2017.

Home Depot - Software Engineer Intern · Atlanta, GA May 2017 to August 2017

- Developed an internal Metadata tool to supplement access to Home Depot Cloud Data on Google BigQuery with additional functionality such as robust searching, data lineage, granular access, read, and write privileges using SSO.
- Used as primary point of access to GBQ data for Home Depot Business Analysts in Supply Chain and Store Ops.
- Gained exposure to full lifecycle implementation and TDD in Extreme Programming (Agile) environment.
- Implemented using Angular2, HTML5, and CSS frontend, created RESTful API in Spring Boot that accesses Google BigQuery and MongoDB, deployed using Pivotal Cloud Foundry.

Bejeweled Blitz Game Bot January 2017

- Created bot for Facebook game Bejeweled Blitz that consistently ranks within the top tenth of one percent of weekly scores and has an all-time high score of 1.25 million(within 50K of world record for automated gameplay).
- Used Pillow(PIL) in Python to configure image processing, color grabbing, and minimize picture compression and Autopy/Win32 to set up host screen, determine anchor points for gameplay, and execute mouse movements.

Bloomberg CodeB January 2017

- Developed automated trading algorithm in Python and won fourth place in Bloomberg's stimulated stock market.

Global Temperature Distribution on WebGL Globe October 2016 to December 2016

- Data visualization of global temperature data set using Chrome's experimental WebGL Globe created as a submission to Capital One's Data Visualization Coding Challenge.
- Used Python to filter data set with over 22,000 city locations (16 data points per location) to compile and normalize data into compatible data file for the Globe.

SummarizeCo September 2016

- Web App created at HackGT for searching and compiling real-time summarized information about a company such as the company functions, buzzwords, job listings, and recent news articles.
- Set up project using Flask (Python), designed front end of project for both landing and result pages, assisted with data collection for buzzwords and industries company is involved in.

Voice and Muscle Controlled Prosthetic Hand · Irvine, CA July 2014 to March 2016

- Implemented program in Python and C++ with muscle control/voice recognition to control a 3d printed prosthetic
- Awarded 3rd place at California Science Fair and Intel's International Science and Engineering Fair (Intel ISEF).
- Featured in several news sources internationally including LA Times, 3dprint.com, Times of India (3rd largest news -paper in India), and in telecasts like "Think It Up", which was backed by organizations such as Staples and 'The Bill and Melinda Gates Foundation' (it aired on CBS, ABC, FOX, and NBC on 09/11/2015).

LEADERSHIP AND EXTRACURRICULARS

Society of Asian Scientists and Engineers (SASE) · Finance Committee October 2016 to February 2017

- Event organizer for SASE's Southeastern Regional Conference with an expected attendance of 170 participants
- Responsible for fundraising, enlisting corporate sponsors, and event arrangements like venue, food, etc.

The Agency · Member September 2016 to Present

GT Photography Club · Member September 2016 to Present