Advitheey Chelikani

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EDUCATION

California Institute of Technology (Pasadena, CA) 2014-June 2018
Freshman, Computer Science, GPA: N/A
Illinois Mathematics and Science Academy (Aurora, IL) 2011-2014

OBJECTIVE

Learn cool things about computer science and meet some exciting and passionate people.

SKILLS

Programming Languages: Python, Java, JavaScript, HTML/CSS, and basic knowledge of Swift.
General: iOS Development (with Parse back-end), Web Development (with Bootstrap 3), Prototyping with Sketch 3.

Classes (to be taken before summer): Intro to Computer Programming, Intro to Programming Methods, Computer Language Shop (C++).

PROJECTS

Spontaneity: iOS app that streamlines the process of planning spontaneous meet-ups with friends (made at HackSC).
http://challengepost.com/software/spontaneity-np744
Personal Website: Building personal website that displays all of my projects using Bootstrap framework.
http://advith.me
PQuery: A web app that aggregates data about a person across various social media sites (still working on this).
https://github.com/AChelikani/PQuery
Speed Tap: An HTML 5/JavaScript web game that helps improve your reaction time (still working on this).
https://github.com/AChelikani/SpeedTap
Elegant Evolution: A heuristic algorithm for the traveling salesman problem.

WORK EXPERIENCE

CityScan - Software Engineering Intern Summer 2014

- Used JavaScript and CartoDB to embed map data into a webpage
- Worked with Accela API to help create a demo of how CityScan data integrated with Accela's framework
- Wrote Python scripts for data gathering and formatting

RESEARCH EXPERIENCE

Artificial Intelligence Algorithms as Applied to the Board Game Go

- With IMSA CS Professor, Dr. Phadmakar Patankar
- Analyzed the effectiveness of algorithms like Monte Carlo in the game of Go

Markov Decision Processes and Determining Optimal Automobile Insurance Claim Behavior

- With UIC CS Professor, Dr. Piotr Gmytraciewicz
- Created a Java program that determines optimal claim behavior using Markov Decision Processes, given certain information about the customer's insurance policy