

Advitheey Chelikani

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Contact Info

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EDUCATION

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| California Institute of Technology (Pasadena, CA) | 2014-Present |
| 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, and basic knowledge of Swift.
General: iOS Development, Web Development (with Bootstrap), 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.
<http://challengepost.com/software/spontaneity-np744>

Personal Website: Build personal website that displays all of my projects using Bootstrap framework.

achelikani.github.io

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

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| CityScan - Software Engineering Intern | Summer 2014 |
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- 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 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

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 given certain information about the customer's insurance policy

Comparing the Rate Monotonic and Earliest Deadline First Scheduling Algorithms

- With IIT CS Professor, Dr. Shangping Ren
- Determined the advantages and disadvantages of each algorithm in given situations