

# Advitheey Chelikani

## Permanent Address

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## Contact Info

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## EDUCATION

California Institute of Technology (Pasadena, CA)	2014-2018
Major: Computer Science	
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
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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 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