

Sachin Christopher Deshpande

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Objective

To obtain a software engineering internship (part-time or full-time) during summer 2019.

Education

Sept 2017 - Present, University of California at Santa Cruz, B.S. Computer Science (GPA: 4.0).

Expected Graduation Date: June 2020.

Aug 2013 - June 2017, Archbishop Mitty High School, San Jose, CA, Graduated with Honors.

Additional Information

LinkedIn: www.linkedin.com/in/sachincdeshpande/

GitHub: github.com/sachincdeshpande

Coursework and Projects

- Programming Languages: Created a Basic Interpreter in Scheme, BigInteger data type in OCaml (supports decimal numbers beyond the range of primitives), Huffman File Compression in Smalltalk. Created shell scripts to test these programs.
- Data Structures: Created Java and C implementations for Hash Tables, Binary Trees, Heaps, Graphs, Linked Lists, etc.
- Computer Systems and Assembly Language: Created a Floating Point ALU in MIPS Assembly with MARS IDE.
- Complex Algorithms, Algorithms, Applied Discrete Math, 3D Modeling with Maya Autodesk.
- Planned Courses: Natural Language Processing, Computer Architecture, Web Development.
- Planned Projects: HackACM 2019, Email filters with Python and Yaml, Chatbot in Python.

HackDay Projects

- CruzHacks 2019 - collaborated on a team of five to create an Alexa skill that allows users to ask Alexa what UCSC Dining Halls are serving. Scrapes UCSC websites to aggregate data and stores the data in an S3 bucket. I developed the Python script that scrapes the web, as well as User I/O with Node.js in AWS Lambda for the user to interact with Alexa.
https://github.com/sachincdeshpande/DiningHall_Alexa
- HackACM 2018 - collaborated on a team of three to create the classic "Moon Landing" video game with the Unity 3D Development Kit. Scripts written in C# using MS Visual Studio.
github.com/sachincdeshpande/MoonLander.
- CruzHacks 2018 (HackUCSC) - collaborated on a team of four to create an Android app (through AndroidStudio) that calculates different levels of intoxication, determined by personal characteristics (height, weight, gender) and data from CDC.

Experience and Awards

- Dean's Honors, UCSC Sophomore Year (awarded to the top 15% of the engineering school).
- Member, ACM UCSC Chapter.
- Teacher's Assistant for AP Computer Science at Archbishop Mitty High School.
- Teacher's Assistant for a Math 3 class at Chaboya Middle School's Math Enrichment.