

# 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/](http://www.linkedin.com/in/sachincdeshpande/)

GitHub: [github.com/sachincdeshpande](https://github.com/sachincdeshpande)

## Coursework and Projects

- Algorithms: Created Java and C data types similar to the BigInteger class, supports integers and decimal numbers beyond the range of primitives, along with various math functions. Coded in Eclipse/IntelliJ/Unix. Created shell scripts to test these implementations.
- 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.
- Applied Discrete Math
- Planned Courses 2018/2019 School Year: Comparative Programming Languages, Operating Systems, Complex Algorithms, Computer Architecture, 3D Modeling.
- Planned Projects: CruzHacks 2019, HackACM 2019, OS programs in FreeBSD Kernel, Maya 3D Scenes, Compilers in Scheme, Data compression in Smalltalk.

## HackDay Projects

- 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](https://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.
- Hack Homelessness Hackathon - collaborated on a team of three to create an Android app to assist people in maximizing nutritional values in their meals for minimum monetary cost.

## Experience and Awards

- Dean's Honors, UCSC Freshman Year (awarded to students with a GPA over 3.7).
- Member, ACM UCSC Chapter.
- Co-led the Programming Department in Archbishop Mitty High School's Robotics program.
- 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.