# Saman Alex Hashemipour

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## EDUCATION

**University of California, Los Angeles** *September 2017- March 2020*

- Bachelor's of Science in Computer Science
- Graduated with an overall undergraduate GPA of 3.5
- Courses in Intro to C++, Intro to Java, Data Structures, Assembly Language, Operating Systems, Intro to Computer Graphics, Network Fundamentals, Intro to Machine Learning, Programming Languages, Algorithms, Automata Theory, Introduction to Bioinformatics, Software Engineering

## WORK EXPERIENCE

**Software Engineer Intern - Ultra Communications** *November 2016 - March 2018*

- Developed a robust full-stack register debugger used to quickly test high durability transceivers used in commercial satellites
- Quickly implemented different *Python* and *C#* libraries to develop sleek front-end interfaces and reliable backend communication

**Director - IDEAHacks Hardware Hackathon** *May 2018 - January 2020*

- Organized the largest hardware hackathon on the west coast
- Delegated assignments based on site plans, event needs and knowledge of individual team members
- Built and strengthened valuable industry partnerships to drive collaboration, engagement, and revenue

## PROJECTS

**Lucy - The At Home Robot** *May 2017 - Present*

- Created a universal remote using a *Raspberry Pi* and *Python 2.7* to control the TV, stereo, blinds, and lights by using the human voice to administer commands
- Extended project to control a small robot with arms and find objects in a room
- Real-time object identification and classification using *OpenCV* in *Python*

**Roomies** *September 2019 - December 2019*

- Collaborated with group members to create an all-in-one roommate management web application
- Consisted of a communal shopping list, interactive chore list, and roommate status indicator
- Used *MERN* stack to implement design and create an end-to-end experience

## SKILLS

**Languages:** Python | React | JS | Java | C++ | Node.js | C | C# | Arduino | MATLAB | Swift

**IDEs:** Eclipse | PyCharm | Arduino | Visual Studio | Xcode

**Libraries:** TensorFlow | Qt | Numpy | sci-kit-learn | Pandas | OpenCV

**Hobbies:** Piano | Poetry | Hip Hop | Running | Rock Climbing