**Anish Kannan**

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**Education**

**UC San Diego 2014 – 2018**

Bachelor of Science in Computer Science, La Jolla, CA

**Relevant coursework**

**Applicable Courses** at Coursera.org

Algorithms: Design and Analysis (Part 1, Part 2) by Stanford University

* Algorithm design.
* Divide and Conquer, Greedy, and Dynamic Programing paradigms.

Algorithms, Part 1 by Princeton University

* Data Structures and Algorithms.
* Sorting algorithms, binary search trees, iterable data types and more.

Human Computer Interaction by UC San Diego

* Design with an emphasis on usability.

**Current Courses** at UC San Diego

CSE 11 - Object-Oriented Programming with Java

* Modularity, abstraction, documentation and testing.

**Personal Projects**

Legacy Dungeon - Dungeon Crawler game in Java May 2014 – Ongoing

* Teamwork - Programming with a friend.
* AI - Programmed chase and run AI using A\* search.
* Multi-threading - Implemented for parallel animation and computation processing.
* Programming Architecture - Reduced CPU usage by 50% per turn.
* Code Revision - Used Github: www.github.com/DontSuCharlie/LegacyDungeon.
* Debugging - Discovered bugs with Eclipse debugger.

**Activities and experiences**

Fixey: Hackathon Project at CalHacks 2014 – [www.fixey.herokuapp.com](http://www.fixey.herokuapp.com/)

* Worked with backend- accessed the Google Maps database using their api and combined different possible routes and mode of transport to find the optimal one.
* Won best Health Hack

Summer Program for Incoming Students

* Learned basics of python and hardware with Raspberry Pi.
* With a friend, built and programmed a robot that would detect motion.
* Hosted mini-game jams that lasted for 1-4 hours using scratch and pygame.

Robotics

* Introduced younger students to Science, Math, Technology, and Engineering
* Helped program robot; team competed in international championships.

Volunteered for over 300 hours

* Tutored senior citizens on computers, such as excel, gmail, word.

**Skills**

Java (Experienced), Python (Prior Experience)

Adobe Photoshop and Illustrator