**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, Part 1 by Princeton University

* Data Structures and Algorithms.
* Sorting algorithms, binary search trees, iterable data types and more.
* Divide and Conquer, Greedy, and Dynamic Programming paradigms.

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**

Beginner's Programming Competition December 6

* Solved logic problems with Java in 2.5 hours
* Competed with students taking lower division classes.
* Achieved third place out of 117 teams.

MoodStock: Hackathon Project at HackSC 2014

* Used Twitter and Alchemy APIs to analyze mood towards a topic using Ruby.
* Built a rudimental website with html.

Fixey: Hackathon Project at CalHacks 2014 – 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 presented by Castlight Health. Selected over 7 other teams.

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.

**Skills**

Java (Experienced), Python (Prior Experience)

Adobe Photoshop and Illustrator