Anish Kannan

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Education

UC San Diego 2014 – 2018
Bachelor of Science in Computer Science, GPA: 3.97

Relevant coursework

Applicable Courses at UC San Diego
Data Structures and Algorithms:

- Analysis of Algorithms, Sorting algorithms, graph theory, binary search trees, hash tables.
- Divide and Conquer, Greedy, and Dynamic Programming paradigms.

Skills

Java (Experienced), C/C++(Basics), Python (Prior Experience)

Personal Projects

Starfly Online – Multiplayer Space game in Java 1/15 – Ongoing

- Teamwork - Programming with others.
- AI - Programmed chase AI.
- Phabricator: Experience with code review and phabricator tools.
- Used Entity-Component-System design pattern.

Declassify: A website to help decide which classes to take. 9/15

- www.declassify.anishkannan.me
- Created using python and the Django framwork.
- Scraped data from school sites and checked ratings.

Activities and experiences

Cell VR: Hackathon Project at HackingEDU 2015 – devpost.com/software/cell-vr 10/23/15-10/25/15

- Integrated Oculus Rift, Razor Hydras, and Unity Game Engine to create an educational game involving cell biology. Pull, drag, and throw organelles and molecules to grow your cell!
- Implemented raycasts in order to detect what the user is pointing at for interaction.
- Achieved 3rd place out of 1000+ people.

Tutor for Rick Ord for Intro to Java and Python for Summer Program for Incoming Students:

- Taught students intermediate Java concepts such as polymorphism and recursion.
- Developed a shell script to help quickly grade style on assignments.
- https://github.com/anikan/JavaStyleChecker

VR Club: Education Branch Leader 11/15

- Lead workshops to teach principles of educational game design.

Mentor and Workshop Leader at SD Hacks: 10/2/15-10/4/15

- Presented workshop about principles of design in virtual reality.
- Assisted participants with problems related to Unity and Virtual Reality.
- Judged submissions.

WIC Beginner's Programming Competition 12/6/14, 5/25/15

- Solved logic problems with Java in 2.5 hours
- Achieved 3rd place out of 117 teams in the Fall competition.
- Achieved 5th place out of 53 teams in the Spring competition.