

Kunal Kathuria

kunalkathuria.com

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Education

University of California, Irvine

September 2018 – June 2020

- Bachelor of Science in Computer Science – Specialization in Information, 3.52 GPA
- Classes: Design and Analysis of Algorithms, NoSQL Data Management, Principles of Operating Systems, Information Retrieval, Artificial Intelligence, Deterministic Graphical Model, and Machine Learning.
- Activities: Member of ZotHacks, AntAlmanac, Intramural Sports, and Video Game Development club.

De Anza College

September 2016 – June 2016

- Credits for Transfer, 3.6 GPA
- Classes: Data Structures and Algorithms and Advanced C++ and Python classes.

Experience

One Lonely Outpost – Software Engineer

June 2019 - Present

- Designed and implemented cutscene management system for NPC introductions and interactions.
- Implemented NPC AI for movements and interactions.
- Implemented grow table for growing exotic plants and crops.

Super Abstractions, Inc. – Software Engineer Intern

June 2019 – August 2019

- Built landing pages for small businesses and marketing teams using React, Javascript, and Sass.
- Optimized queries for fetching client information.
- Conducted interviews with small businesses and influencers for a new e-commerce platform.

Saratoga High School – Percussion Coach/Audio Engineer

August 2016 – August 2018

- Taught students to play different percussion instruments, led rehearsals, and designed sound system.
- Collaborated with other coaches and directors to design marching band shows.

Projects

AntAlmanac

- Web application that assists UCI students in planning their courses for the upcoming quarters.
- Reworked notification system for course openings in Python and MongoDB.
- Utilized AWS DynamoDB and Lambda for storing and querying course registration information.
- Designed and implemented dynamic graphs for displaying course data using React.

ZotScheduler

- Web application that helps UCI Donald Bren students create a 4-year schedule.
- Collected course data and built schedule using Python.
- Utilized Flask to build the front-end of the application.

More projects at kunalkathuria.com

Skills

Programming Languages

- Python, C++, Javascript, HTML5, CSS, SQL, and C#.

Development Tools

- Github, Linux OS, MongoDB, Unity, Neo4j, Spark, and Postgres.

Frameworks/Libraries

- Node.js, React, Bootstrap 4, Flask, and jQuery.

Cloud-based Technology

- Lambda, API Gateway, DynamoDB, ECS, and S3.