

Ankush Vangari

EDUCATION

ankush.vangari.com | (562) 412 - 2360 | ankush@vangari.com
github.com/ankushvangari | linkedin.com/in/ankushvangari

University of California, San Diego – Computer Science – B.S. (Graduation: Spring 2021)

GPA: 3.7

Relevant Classes:

- Advanced Data Structures and Algorithms - C++
- Software Construction
- Automata and Formal Language
- Embedded Systems
- Discrete Structures
- Linear Algebra
- Single Variable Calculus
- Multivariable Calculus

TECHNICAL SKILLS

Highly Skilled Languages: C++, Java

Proficient Languages: C#, Python, Dart

Technologies: Linux, Git, MySQL, SQL, Oracle, Google Flutter, Unity, Android Studio, ASP.NET, Maven, Azure

EXPERIENCE

Beckman Coulter – Software Engineering Intern

July 2019 – September 2019

- Developed two algorithms to parse incoming **Linux** logs of medical devices all over the world.
- Utilized and updated numerous **bash** scripts on **Redhat** Linux machines to send logs to the server more efficiently.
- **Reduced global time delay by 10%** through creation of SQL command files after parsing logs to insert into **Oracle SQL Database**.

L3 Networks – Junior Software Developer

September 2016 – June 2017

- **Led** a team of three to develop autonomous software from the ground up that **stores, detects patterns, and takes action** after **analyzing mass log files**.
- **Saved the company weeks of work** by immediately revoking access to intruders and alerting the appropriate person of suspicious activity in real time for further precautions.
- Worked with **Cloud Computing** software, **ASP.NET**, and **SQL Server** on **Linux** and **Windows** environments, using **C#** and **Python**.

UCR – Supplemental Instructor

September 2018 - Present

- Provide **instruction** and **guidance** to 50+ students in the form of **lectures** and programming demos by developing lesson plans. Work in a **team** to collaborate resources on **Github** for students and instructors.
- Instruct historically difficult Computer Science (**C++**) courses to aid students and facilitate active learning experiences.

ABC Adult School - Student Worker

July 2016 – August 2016

- Setup computers for the adult school by remotely configuring and imaging about 200 computers with a team of six.
- Worked on enhancing firewall, security, and student restrictions and tested 3D printer.

ACTIVITIES

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- Boy Scouts of America – **Eagle Scout**
 - **Led** 50 people to fundraise and execute a **350 man-hour** Eagle Project to acquire the highest rank.
 - Placed among the top 10% in **CyberPatriot** Semi-Finals
 - **Mobile Development**
 - **Hungry** – Finds the best restaurants near you by utilizing a Euclidean Distance algorithm.
 - Developed four mobile applications (games and non-games) with Google Flutter, Unity, and Android Studio.
 - **Open Source Contributions**
 - Created a Search Bar **Plugin** and a **Trie library** for Google Flutter (Mobile Development Framework)
 - Developed an IP Notification **Plugin** for Octopi (3D Printer open source software)
 - Built a **3D Printer** from scratch
 - Bought and assembled all hardware/software separately with no specific branding or kits.
 - **Hackathons**
 - Cutie Hacks - **1st Place** - Developed a web-based multiplayer game with a team of four. Used **Node.js** for server side.

- HackPoly - Developed a mobile single player game using **Unity**.