Govind Pimpale

(408) 508-1229 | gpimpale29@gmail.com | pimpale.github.io | github.com/pimpale

EDUCATION

University of California, Los Angeles   **Exp. 2024 | GPA: 3.97 (as of July 2021)**
- Bachelor of Computer Science and Engineering

SKILLS

- **Languages:** Java, C, C++, Typescript, SQL, Rust, Python, Kotlin, Bash, x86 Assembly
- **Technologies:** MySQL, Sqlite, Spring Boot, ReactJS, Nginx, Vulkan, AWS, Amazon SES, Amazon S3, Amazon Route 53, Express.js
- **Tools:** Github, Vim, Visual Studio Code, Make, Webpack
- **Operating Systems:** Ubuntu, CentOS, Arch Linux, Windows

WORK EXPERIENCE

NASA Genelab, Intern   **June 2019 – August 2019**
- Studied gene expression, DNA sequencing technologies and experimental design.
- Created a research proposal with three other students investigating the expression of the genes related to the plant stress response in microgravity and presented to a panel.

Dot Com Solutions India, Intern (fileright.com)   **June 2018 – August 2018**
- Collaborated with another intern to port the backend of fileright.com to Spring Boot.
- Redesigned the SQL schema and rewrote the JDBC interface layer, working with frontend developers to develop functions supporting improvements to the UI.

PROJECTS

Achernar (github.com/pimpale/achernar)   **June 2019 – Present**
- A complex compiler and interpreter for a functional language with over 10K lines in C.
- Features its own standard library with arbitrary precision integers, floating point numbers, and a custom allocator.

Innexgo, Cofounder (innexgo.com)   **August 2018 – Present**
- Led a team of eight developers to create a web app using React / Typescript / Java / SQL stack in order to monitor student attendance and provide teachers with analytics.
- Used by ~2000 students and received over $8000 in funding from our school district.

Compugenesis (github.com/pimpale/compugenesis)   **June 2019 – August 2019**
- Created maize growth simulation to help farmers and researchers in optimizing crop yield.
- Coded in Rust and uses Vulkan for graphics display as well as GPU compute.

EXTRACURRICULARS

CyberPatriot, Co-President   **August 2018 – April 2020**
- Created lesson plans and trained club members in Linux, Windows, and network security.
- Participated in cybersecurity competitions, scoring in the top 30% for two years, and winning 2nd place in one competition.

AWARDS

- Intel International Science and Engineering Fair, 3rd Place, 2019
- Stanford ProCo, 2nd Place (Novice Division), 2018
- Synopsys Championship, Grand Prize, 2019
- Bay Area Regional Cyber "Bug Bounty" Competition, 2nd Place, 2020
- Synopsys Championship, 1st Place, 2018