

# Govind Pimpale

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## EDUCATION

University of California, Los Angeles

Exp. 2024 | GPA: 3.968 (as of December 2021)

- **Major:** B.S. Computer Science and Engineering
- **Relevant Coursework:** Data Structures, Assembly, Programming Languages, Operating Systems, Signal Processing, Linear Algebra, Discrete Math, Data Management Systems, Computer Network Fundamentals, Compiler Construction

## SKILLS

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

## WORK EXPERIENCE / PROJECTS

Innexgo ([innexgo.com](https://innexgo.com))

August 2018 – Present

- Cofounded, designed and implemented a web app to monitor student attendance and provide teachers with analytics, leading a team of eight developers.
- Used by ~2000 students and received funding from our school district.
- Tech stack: React / Typescript / Java / MySQL.

Achernar ([github.com/pimpale/achernar](https://github.com/pimpale/achernar))

June 2019 – Present

- Designed and implemented from scratch a complex compiler and interpreter for a functional language in Rust.
- Implemented borrow checking and dependent types.

NASA Genelab, Intern

June 2019 – August 2019

- 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.
- Studied gene expression, DNA sequencing technologies and experimental design.

Dot Com Solutions India, Intern ([fileright.com](https://fileright.com))

June 2018 – August 2018

- Ported 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.

Compugenesis ([github.com/pimpale/compugenesis](https://github.com/pimpale/compugenesis))

June 2019 – August 2019

- Created maize growth simulation to help farmers and researchers in optimizing crop yield.
- Tech stack: Rust, and Vulkan for graphics display and GPU acceleration.
- Won Intel International Science and Engineering Fair, 3rd Place, 2019

## EXTRACURRICULARS

DevX, Project Manager of BruinMinder

May 2020 – Present

- Designed and implemented a web and desktop app to help college and high school students manage time for assignments and homework, leading a team of five designers and developers.
- Tech Stack: React / Typescript / Rust / PostgreSQL.

Bruinspace, Command and Data Handling (CDH) Co-Lead

December 2021 – Present

- Developed control software (C++) for a cubesat handling attitude control, telemetry and data collection.