# 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++, Python, Typescript, Rust, Python, 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
- **Operating Systems:** Ubuntu, CentOS, Arch Linux, Windows

## WORK EXPERIENCE / PROJECTS

**Innexgo** (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**)** **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) **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) **August 2018 - May 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.

## EXTRACURRICULARS

**DevX (Software project incubator club), Project Manager** **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 (CubeSat club), Project Lead** **December 2021 - Present**

- Recruited and trained new members, applied for funding, and manage the project timeline
- Developed control software (C++) for a CubeSat handling attitude control, telemetry and data collection.

## AWARDS

- Intel International Science and Engineering Fair, 3rd Place, 2019
- Stanford ProCo 2nd Place