

# Govind Pimpale

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## EDUCATION

### University of California, Los Angeles

August 2020 - Present

- Major: Computer Science and Engineering
- GPA: 4.00 (As of November 2020)

## KEY SKILLS

- Systems Programming: Rust, C, C++
- Web Backend: AWS, Java, Spring Boot, SQL, Python
- Web Frontend: Typescript, React

## PROJECTS

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

August 2018 - Present

- A complex compiler and interpreter for a functional language with over 10K lines of C code.
- The software features its own standard library with arbitrary precision integers, floating point numbers, and a custom allocator.

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

June 2019 - August 2019

- Created maize growth model to help farmers and researchers in optimizing crop yield.
- Coded in Rust and uses Vulkan for graphics display as well as GPU compute.

## WORK EXPERIENCE

### Innexgo LLC, San Jose, Cofounder & CTO ([innexgo.com](https://innexgo.com))

August 2018 - Present

- Led a team of 9 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 has over \$8000 in funding from the district.

### NASA Genelab for High Schoolers, 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](https://fileright.com))

June 2018 - August 2018

- Collaborated with another intern to port the backend of [fileright.com](https://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.

## AWARDS

- ISEF 3rd Place Award Computational Biology and Bioinformatics
- Stanford ProCo 2nd Place Novice Division Special Round
- Synopsys Championship 1st Place