

# Aidan Van Duyne

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## Education

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University of California, Los Angeles

*Expected June 2027*

*Bachelor of Science in Computer Science (CS) and Engineering*

**Relevant Coursework:** Introduction to CS I, Linear Algebra and Applications, Freshman CS Seminar

## Technical Skills

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**Proficient:** OpenCV   Flutter   Git   Soldering   C++   Linux   Java   Kotlin   Python

**Intermediate:** React   Apps Script   CAD   3D Printing   C#   Unity   Rust   Arduino   JavaScript

## Work Experience

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The DiSTI Corporation

*June 2023 - September 2023*

*Software Engineering Intern*

- Developed graphical features in Unity/C# for a virtual maintenance trainer.
- Gained experience in agile development, teamwork, Unity, C#, and Source Control.

## Engineering Projects

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### Flutter Scouting App:

- Created a Flutter app that recorded ~1000 FRC robot performances.
- Developed a Google Sheets Backend using the Apps Script API.
- Utilized this data for the alliance selection process, which provided our team a competitive edge.

### Programming/Team Lead on FTC Robotics Team:

- Advanced to the Florida state championship 4 years in a row.
- Lead a team of 15 members, ensured deadlines, and taught members.
- Programmed an autonomous routine that ranked #1 globally.
- Made spline path following algorithm in Kotlin.

### Programming Team Member of FRC Robotics Team:

- 1st place at the Orlando Regional competition.
- Created a reliable autonomous and driver control by implementing a hierarchical state machine.

### GNOME Open Source Contribution:

- I use the GNOME desktop environment on top of Arch Linux.
- I contribute to GNOME through projects such as Getting Things GNOME (GTG).

## Current Activities

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Bruin Racing Super Mileage Vehicle, *Member*

*October 2023 - Present*

The Association for Computing Machinery (ACM) Hack, *Member*

*October 2023 - Present*

ACM International Collegiate Programming Competition (ICPC), *Member*

*October 2023 - Present*