

# Samir Rashid

STUDENT AT UCSD

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## Education

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### UC San Diego

MATH-CS AND COGNITIVE SCIENCE, GPA: 4.0/4.0

*San Diego, CA*

*2020-2024*

## Skills

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**Languages** Python, Java, C, JavaScript, TeX, MATLAB

**Frameworks** React, AWS, Docker

## Experience

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### FRC Robotics Team 766

PROGRAMMING TEAM LEAD

*Menlo Park, CA*

*2017 - 2020*

- Taught programming concepts to high school students using Java and Processing while providing input for lesson plans and project ideas.
- Wrote tutorials and wiki, trained rookies, limelight image processing, Monte-Carlo localization.
- I worked on a pure pursuit based path following algorithm in Java that can follow any arbitrary path in real-time. When working with a map, pathfollowing will autocorrect and avoid obstacles. Also using our web GUI, the user can click on a point and have the robot drive there.

## Projects

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### DIY Projects

- Latin poetry reader (prosody), Greek keyboard, handmade keyboard, quadcopter, analog turntable, speakers. Countless hours.