# Christian Johnson

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## EDUCATION

**Harvey Mudd College - Claremont, CA** *May 2026*
*Bachelor of Science, Mathematics and Computer Science*
- Dean's List – Fall 2023, Spring 2023
- Recognized as the most innovative project award at a student organized hackathon
- Relevant Courses: Principles of Computer Science, Data Structures/Program Development, Computer Systems, Single & Multivariable Calculus, Linear Algebra, Discrete Mathematics, Differential Equations, Probability & Statistics, Real Analysis, Engineering Systems, and Mechanics & Wave Motion

**University High School - Irvine, CA** *Class of 2022*
- Graduated Magna Cum Laude with 4.39 weighted GPA
- Awards: Excellence in World Languages, National African American Recognition Program

### Skills

*Office Skills:* Excel, PowerPoint, & Word

*Programming:* C++, Java, Python, Git Version Control and Racket. Experience with Jupyter Notebook, React, Makefile, SQL, and R

## WORK

**Stemtree Education Center, STEM Instructor - Irvine, CA** *May 2023 – Aug 2023*
- Taught students a range of subjects including science, math, electrical engineering, robotics, and coding while integrating real-world applications into the curriculum
- Used technology and digital tools to enhance instruction while striving to encourage a growth mindset, curiosity, and instill a passion for lifelong learning

**Goldman Sachs Virtual Insight Series - Remote** *May 2023 – June 2023*
- Learned from industry experts enhancing knowledge of finance, investments, and engineering while expanding my professional network.

## STEM PROJECTS

**Underwater Robotics, Engineering 79 Practicum - Claremont, CA** *Aug 2023 – Dec 2023*
- Utilized mechanical, thermal, and electric systems to build an underwater robot capable of assessing aquatic thermal conditions at varying input depth levels via Laboratory Virtual Instrument Engineering Workbench

**Prison Education Project, Curriculum Developer - Claremont, CA** *Aug 2023 – Current*
- Deliver engaging lectures to incarcerated individuals, helping them explore the captivating world of physics
- Working to foster an inclusive and respectful learning environment, empowering students to think critically, embrace curiosity, and achieve personal growth.

**Project GLARE (Recipient of Shanahan Project Grant) - Claremont, CA** *Mar 2023 – Current*
- Creating a transparent LCD screen utilizing light-sensing cameras to lower intensity from passing through areas of glass with the goal of improving driver visibility from headlights and the sun
- Develop an interactive environment which analyzes incoming light intensity data in real time

**Orange County Beckman Legacy Program, Competition - Irvine, CA** *Sept 2021 – Jun 2022*
- Built a spectrophotometer using cost efficient materials and tested its functionality by analyzing the light spectra of various substances
- Designed an experiment which applied the spectrophotometer's analysis capabilities to solve a real-world problem