

Junipero Verbeke

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EDUCATION

University of California, Santa Cruz June 2025
B.S. Applied Physics, Computational Concentration

Etoile du Matin - Eguelshardt, France June 2020
French Baccalaureate *Mention très bien*

COURSEWORK

Courses: Linear Algebra, Vector Calculus, Differential Equations, Statistical Mechanics, Quantum Physics, Classical Mechanics, Thermodynamics, Object-Oriented Programming

SKILLS

Languages: Python, JavaScript/TypeScript, MATLAB, HTML/CSS, L^AT_EX
Tools: Git/GitHub, Unix Shell, VS Code, AutoCAD, Fusion360, SketchUp, Visio
Frameworks: Astro, React, Node.js, TailwindCSS
Libraries: NumPy, Matplotlib

PROJECTS

veritas-inc.com | *Astro, HTML/CSS, React, APIs (Google Maps, SendGrid), Git, Unix Shell, VS Code* Jan. 2024

- Renovated a company website, developing a full-stack web page
- Learned how to use Astro in conjunction with APIs and ESM modules

Double Pendulum | *Python, NumPy, Matplotlib, MATLAB* Nov. 2023

- Developed a simulation for a system of two pendulums, visualised with Matplotlib
- Implemented principles of classical mechanics with Python and MATLAB

EXPERIENCE

Veritas Managed Solutions, inc. | *Applied Engineer* June 2021 – Present

- 3 years experience as an applied engineer, planning and estimating 80+ projects
- Led the creation of the engineering team, creating 5 universal guides on implementing our systems for technicians
- Certified in Bosch intrusion and Gallagher access control systems
- Experience in Axis, Hanwha, Hikvision, Bosch and Honeywell security programming and systems
- Experience in Brightsign display programming
- Experience in LEA, Sonance, Kramer, Logitech, and Biamp audio-visual systems
- Field experience with all above systems as well as network cabling

St. Thomas More School Network | *Volunteer* Sept. 2022 – Present

- Maintenance of St. Thomas More School's computer network and media rooms, maintaining Sunday mass streams

Car Roof Racks | *Personal business* 2020 – Present

- Design and assembly of custom car roof racks for three customers

HOBBIES

FPV drones/DIY electronics Sept. 2019 – Present
Built and race three custom FPV drones, experienced in PID tuning and electronics soldering and assembly

Photography/Video editing Sept. 2018 – Present
Regularly use Adobe Photoshop, Premiere Pro and Lightroom to edit pictures and videos of rock climbing, overlanding and surfing trips