

William Hermann

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1 Education

Rijksuniversiteit Groningen
Foothill College
Henry M. Gunn High School

BSc in Artificial Intelligence (2022-2025)
Dual Enrollment (2017-2019, 2022)
High School Diploma (June 2022)

2 Work Experience

Sole Proprietor – Silicon Valley Tech Help (SVTH)

Jan 2022 – Aug 2022

- Provided in-home tech support, troubleshooting, and network setup
- Advised clients on best practices for device security and maintenance
- Managed client relationships and independent business operations

Designer / 3D Modeler – Purple Mountain Innovations

2018 – Mar 2022

- Designed and iterated on a product for casterboards with increasing manufacturability
- Consulted on patent prosecution, ensuring design feasibility and legal viability
- Developed rapid prototyping skills with molds, 3D printers, and laser cutters

Host – Old Port Lobster Shack

Jan 2021 – Apr 2022

- Managed front-of-house operations and customer experience
- Trained in multitasking and high-pressure service environments

3 Research & Projects

Machine Learning Model for Celestial Object Classification

2024

- Trained an SVM classifier to classify celestial objects

Thesis – Agent-Based Language Tutoring System

2025

- Developed a Full Stack Conversational language tutoring platform using OpenAI swarm agentic architecture with React and WebSocket integration.

Smart Kitchen Assistant Hood

2025

- Designed sensor fusion architecture for a smart kitchen assistant hood

Music Segmentation Program

2025

- Created Python program to segment speech, tempo, and silence from extended jam session recordings

4 Technical Skills

Programming: Python Machine Learning
(NumPy, Pandas, Scikit-learn, TensorFlow)

CAD & 3D Modeling: SolidWorks

Electronics & Robotics: Hardware + UAV experience

Cloud & Virtualization: Docker, Linux, Networking Basics

UI/UX & Graphic Design: Figma, Adobe Photoshop

Website Building / E-commerce: Google Analytics, Woocommerce

Rapid Prototyping: 3D Printing, Laser Cutting,
Molds for prototyping

5 Certifications & Qualifications

- SolidWorks 3D CAD Modeling
- Udemmy Course: Cybersecurity and Penetration Testing
- Python Programming & Data Science (University Coursework)

6 Languages

- English – Native
- Russian – A2 (Basic proficiency)