



DYLAN JACOBS

Swarthmore engineering major

PROFILE

Hardworking Swarthmore College engineering student with extensive experience in software development, customer service, and the restaurant industry.

CONTACT

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EMAIL:
dylanwillamette@gmail.com

WEBSITE:
<https://dylan-jacobs.github.io/>

GITHUB
<https://github.com/dylan-jacobs>

SKILLS & INTERESTS

- Computer programming
- Data analysis (MATLAB, Python, Excel, etc.)
- Swarthmore varsity soccer
- Critical thinking
- Creativity
- Hard work

LANGUAGES

English – Native
Spanish – Fluent

AWARDS

- Donna Prentice Memorial Scholarship**
American Society of Civil Engineers
February 2024
- National Merit Scholarship**
April 2023
- 2nd Place National Constitution Team**
April 2023
- Global Seal of Biliteracy (Spanish)**
April 2022
- Euclidean Cup Math Award**
June 2023

EDUCATION

Swarthmore College
September 2023 – Present
Engineering Major

PROJECTS

FireSale - <https://play.google.com/store/apps/details?id=com.iacobstechnologies.smartfood&hl=en&gl=US>
August 2020 – June 2021

Developed an Android app to reduce food waste by allowing food retailers to advertise excess food to hungry local consumers at markdowns.

Generative Adversarial Network (GAN) - <https://github.com/dylan-jacobs/image-generating-GAN>
January 2022 – June 2022

Implemented this Python AI algorithm—trained on abstract art datasets—to create original computer-generated abstract artwork. Samples shown below:



WORK EXPERIENCE

Oregon Health and Science University | Software Engineer Intern

June 2022 – August 2022

Developed a mobile application that collects audio data from a Bluetooth-enabled stethoscope. The project's eventual goal is to use this data to develop a machine-learning algorithm to detect pathological heart murmurs. Attended weekly project updates and machine learning meetings, during which I prepared presentations and led discussions regarding the project and artificial intelligence.

Dr. Clara Mosquera-Lopez – mosquera@ohsu.edu

Ohana Hawaiian Cafe | Server/Dishwasher

June 2023 – August 2023

Served tables, prepared food, washed dishes, and fulfilled customer needs in a fast-paced, high-energy, restaurant environment.

Ms. Sandie Ho – sandie@ohanahawaiiancafe.com

Oregon Health and Science University I | Data Analyst Intern

January 2021 – June 2021

Analyzed body temperature data using statistical models in Python to predict the time and date of female patient parturition. I also attended weekly machine-learning presentations, during which I learned about the implementation and practical utility of artificial intelligence models.

Other References

Dr. Joseph Nakao (Swarthmore College) – jnakao1@swarthmore.edu
Dr. Ryan Ku (Swarthmore College) – rku1@swarthmore.edu
Dr. Emad Masroor – emasroo1@swarthmore.edu