



## PROFILE

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

## CONTACT

PHONE: (503) 704-4583

EMAIL:  
[dylanwillamette@gmail.com](mailto: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  
**2<sup>nd</sup> Place National Constitution Team**  
April 2023  
**Global Seal of Biliteracy (Spanish)**  
April 2022  
**Euclidean Cup Math Award**  
June 2023

# DYLAN JACOBS

Swarthmore engineering major

## EDUCATION

**Swarthmore College**  
September 2023 – Present  
Engineering Major

## RELEVANT PROJECTS

**FireSale** - <https://play.google.com/store/apps/details?id=com.jacobstechnologies.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](mailto:Dr.ClaraMosquera-Lopez@ohsu.edu) – [mosquera@ohsu.edu](mailto: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](mailto:Ms.SandieHo@ohanahawaiiancafe.com) – [sandie@ohanahawaiiancafe.com](mailto: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

[Ms. Angela DiPasquale \(Grant High School\)](mailto:Ms.AngelaDiPasquale@pps.net) – [adipasquale@pps.net](mailto:adipasquale@pps.net)  
[Mr. Daniel Anderson](mailto:Mr.DanielAnderson327@gmail.com) – [danielanderson327@gmail.com](mailto:danielanderson327@gmail.com)  
[Mr. Matt Stevens \(Grant High School\)](mailto:Mr.MattStevens@pps.net) – [mstevens2@pps.net](mailto:mstevens2@pps.net)