**Sam Gordon**

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<https://github.com/sgordo5>

**Education**

VALPARAISO UNIVERSITY, Valparaiso, IN

**Bachelor of Science in Computer Science August 2021**

Minor in Mathematics

*Recipient:* Transfer Student Scholarship

**Software Projects**

**SERF Project** Spring 2021

Created an app and website for Solar Energy Research Facility on campus. SERF is a National Science Foundation Funded flagship facility. Using an SQL database, PHP and Flutter to allow management and posting of user content for the SERF team to document experiments. This project used push notifications and emails to notify individuals of experiment blog posts. www.valposerf.vucis.org.

**Ruby on Rails Project** Fall 2020

Created a website and SQL database in Ruby on Rails to mock a student registration system using Agile. Coded back-end infrastructure to allow the creation of student profiles and class listings while dynamically linking them in a “many to many” relationship. Then designed a functional front end of the system.

**Paint Project** Fall 2020

Created a program in JavaFX to mimic Microsoft Paint using Agile. Added advanced tools such as copy/paste and tabs to the program as well as created unit tests and threading.

**Home Lab** Spring 2021

Built a home server to learn docker, Linux, and IT management basics. I have set up and configured containers for services like Jellyfin Media Player and Guacamole remote access. The services are behind an nginx reverse proxy also in a docker container. The proxy also uses SSL certificates from a private domain name.

**Experience**

**Guild Memorial Dormitory**, Valparaiso University August 2019 – March 2020

House Council President

Led dormitory house council including planning hall events, enforcing disciplinary action, and managing a $2,000 annual budget. Oversaw 12 events and installed water bottle filling stations in the dorm.

**Athletics and Recreation Center**, Valparaiso University August 2019 – March 2020

Event management for home sporting events.

**Best Buy,** Brentwood, TN September 2018 – January 2019

Cashier and Customer Service Specialist.

**Illinois High School District 211**, Palatine, IL May 2018 – August 2018

Groundskeeping Assistant.

**Technical Skills**

Java, Python 3, HTML/CSS, C, C#, Ruby, Ruby on Rails, SQL (My SQL), PHP, Android Studio, Microsoft Office Suite, Unified Modeling Language, NetBeans, Microsoft Visual Studio, Git/GitHub, Unity 3.0 graphics environment, MATLAB, GNU/Linux, Agile development method, technical writing.

***Specialized Coursework:*** Artificial Intelligence, Digital Forensics, Mobile Computing