

DREW GEHRKE

 github.com/thegehrkinator  <https://www.linkedin.com/in/andrew-gehrke-3018361b8/>  andrew.gehrke20@gmail.com
 1230 NW 23rd St Apt 17, Corvallis, OR  (971)-344-3773

EDUCATION

Gladstone High School, Gladstone, OR

Honor's Diploma & Valedictorian

Sep 2014 - June 2018

GPA: 4.0

Oregon State University, Corvallis, OR

Bachelor's degree in Electrical and Computer Engineering, Minor in Computer Science

Sep 2018 - June 2022

GPA: 3.74

WORK EXPERIENCE

College of Engineering IT, Corvallis, OR

Lead Student IT Technician

Sep 2018 - Present

- Provided desktop support for graduate students, staff, and faculty in the College of Engineering.
- Built images, managed task sequences, and imaged computer collections through SCCM.
- Managed domain machines through Active Directory.

EXTRA CURRICULAR

Gladstone High School Robotics

Gladstone High School

Sep 2016 - Mar 2018

- Acted as Team Captain and Lead Programmer for the FRC Team
- Programmed in Java to create autonomous and controlled code
- Competed in FRC competitions at Lake Oswego HS and Oregon City HS

Oregon State Robotics

Oregon State University

Sep 2018 - Mar 2020

- Built a first person view racing drone for the OSU Drone Racing team
- Participated in time trials to qualify for races

Oregon State Ultimate Frisbee

Oregon State University

Sep 2018 - Mar 2020

- Competed in several tournaments affiliated with USAU
- Learned time management due to multiple practices a week and long travels for tournaments

PROJECTS

Microcontroller Clock Radio

Oregon State University

- Designed and developed a clock radio utilizing an ATmega128 processor chip and various I/O devices
- Utilized I/O devices such as buttons, encoders, LEDs, and temperature sensors using SPI, TWI, and UART protocols

Autonomous Package Delivery Robot

Oregon State University

- Collaborated with a team to design a package delivery robot which would operate autonomously
- Interconnected GPS and IMU data to be processed by ESP32 development board to communicate to Raspberry Pi
- Designed the PCB for the project to house the breakout boards and voltage converter circuits

TECHNICAL SKILLS

Programming:

Software & Tools:

Languages: C/C++, Java, SystemVerilog, Rust

Software: SCCM, Active Directory, LTSpice, Quartus Pro, ModelSim, Vim, Visual Studio, Adobe Photoshop & Illustrator, Autodesk Inventor & Fusion360, Microsoft Office Suite

Equipment: Soldering Iron, Oscilloscope, Function Generator, Digital Multimeter