

# Thomas Stranick

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## Education

Lafayette College, Easton PA

Expected May 2021

B.S. Electrical and Computer Engineering/Minor Asian Studies (Japanese)

GPA:3.09

## Coursework and Projects

- Senior Design, Control Systems, Sensors, Communications, Electromagnetics, Solid State Devices & Circuits, Embedded Systems, Signals & Systems, Digital & Electrical Circuits, Data Structures & Algorithms
  - Currently designing dashboard and other external paneling as well as battery packs for electric car
  - Created a functional claw machine in C utilizing stepper motors and a PIC32 microcontroller
  - Created a four function calculator in C using an ADaFruit Touchscreen and a PIC32 microcontroller
  - Created a health monitor with SystemVerilog and an FPGA
- Technical Language experience with Java, C, C#, SystemVerilog, MATLAB, KiCAD
- Japanese Language (3 semesters), Japanese Art, Music, History, Basic Mandarin

## Leadership Experience

### **President and Founder, Lafayette College Esports Club**

3 Years (Present)

- Founded the Lafayette College Esports Club to bring together students that play competitive esports and those who are esports enthusiasts; 120 members currently
- Manage club budget, communications, LAN and intercollegiate events

### **Overwatch Team Captain, Lafayette College Esports Club**

3 Years (Present)

- Recruit, select and manage team roster, schedule tournaments and practices

### **Senior Design Manager, Lafayette College ECE**

Fall 2020 – Spring 2021

- Organized all parts of electric car project including meetings, schedules, goals, sub-team organization

## Work Experience

### **Computer Science Research, Lafayette College Easton PA**

Summer 2020

- Worked in Unity3D to create a VR gamification application promoting exercise
- Demonstration Video: [https://youtu.be/C\\_AJxUklfSw](https://youtu.be/C_AJxUklfSw)

### **Acopian Externship, Easton PA**

January 2020

- Shadowed engineering, sales, and manufacturing to learn and understand the inner workings and development within an electrical company, as well as learned how important teamwork and leadership are in such an environment

### **TANK (Rock Band), Bridgewater, NJ**

2010-2018

- TANK Soundcloud: <https://bit.ly/2Tc9Puh>

Redstone American Grill, Bridgewater, NJ – Busser

Summer 2018/2019

Hi-Hills Day Camp, Gladstone, NJ – Lifeguard / Camp Counselor

Summer 2015/2016

## Other Skills/Hobbies

- Writing Music Compositions using: acoustic/electric guitar, vocals, ukulele
- Volunteer Service: XLC Day (Accepted Students Day, 3 Years), played in pit for local theater production of "Godspell", Overwatch League Finals, NYXL Watchparty