

Tyler Bisk

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EDUCATION

Cornell University, College of Engineering | Ithaca, NY Expected Graduation: May 2023
Bachelor of Science in Electrical and Computer Engineering, Minor in Computer Science **GPA: 3.91/4.00**
Relevant Coursework: Calculus, Physics, Circuits, Digital Logic, Object Oriented Programming, Discrete Structures **Dean's List**

PROJECTS

iOS App Development Summer 2020-Present

- Developed and designed the frontend, UI, and backend of two iOS applications
- Self-taught expertise in Swift and XCode for iOS
- Launched a multiplayer game to the App Store and plan to finalize and launch a social media app

Cornell Racing Formula SAE – Electrical Subteam Fall 2019-Present

- Exclusive student-led team whose mission is to design and build an electric racecar for international competition
- Collaborate with tight knit subteam of students to invent, test, innovate, and integrate the electrical system
- Designed a PCB to prevent batteries from overheating that automatically shuts down the racecar
- Creating an analog shutdown system that cuts current to the accumulator if certain safety conditions are absent
- Building a digital dashboard for the car and developing firmware for it
- Consistently dedicate 10+ hours per week to ensure the electrical system is in complete working order for competition

AWARDS & CERTIFICATIONS

Dean's List at Cornell University Fall 2019*
▪ College of Engineering *Not offered in Spring 2020

High Voltage Compliant November 2019
▪ Certified to safely work and handle High Voltage ($\geq 60V$ DC)

Cornell Machine Shop Certified October 2019
▪ Learned to use both a mill and a lathe
▪ Built a fully functioning lamp as part of the certification process

International Baccalaureate Diploma Recipient May 2019
▪ Completed 6 IB-level classes; 3 higher-level 3 standard-level
▪ Took 2 years of Theory of Knowledge
▪ Wrote an IB Extended Essay titled "Amazon's Use of Technology and Convenience in Order to Succeed in the Retail Industry in America"

SKILLS

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- **Software:** Altium (PCB Design), XCode, Quartus, Autodesk Inventor (CAD), Adobe Photoshop, Adobe Premiere Pro
 - **Programming:** Python, Java, Swift, Verilog (HDL), HTML, CSS
 - **Hardware:** Board bring-up, Arduino, Breadboarding, Microcontrollers, PCB testing, board verification

WORK EXPERIENCE

STEAM Specialist at Camp Towanda, Inc. | Honesdale, PA Summer 2018, 2019
▪ Coeducational overnight summer camp located in the Pocono Mountains
▪ Organized and led a STEAM program for all age groups leading activities such as rocketry, Lego-building and other experiments
▪ Technology consultant to the office staff

ACTIVITIES

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- Tennis, Filmography, Photography, Cooking, Technology