# Tyler Bisk

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## EDUCATION

**Cornell University, College of Engineering** | Ithaca, NY                    Expected Graduation: May 2023
*Bachelor of Science in Computer Science / Electrical and Computer Engineering*          **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

- **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 activates such as rocketry, Lego-building and other experiments
- Technology consultant to the office staff

## ACTIVITIES

- Tennis, Filmography, Photography, Cooking, Technology