Connor Hawley
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EDUCATION

Georgia Institute of Technology, College of Engineering, College of Computing Atlanta, Georgia
Bachelor of Science in Electrical Engineering & Computer Science- 3.70 GPA Expected Graduation: May 2020
- Finishing BSEE degree May 2019. Declared threads in Theory, and Modeling and Simulation for BSCS degree.

SKILLS & COURSEWORK

- *Programming Languages* & *Frameworks*: Java, Python, C, C++, SQL, VHDL, MATLAB, SciKit Learn, NumPy, Git, Bash, Linux
- *Coursework*: Stat. Machine Learning (Grad.), Embedded Sys., Random Sig. Proc., Object-Oriented Prog., Data Struct.
- *Analytical*: SVMs, Logistic Regression, PCA, Model Selection/Validation, Fourier Analysis, Spectral Analysis
- *Languages*: English (native), French (advanced), Italian (conversational)

WORK EXPERIENCE

Texas Instruments Sunnyvale, California
Field Applications Engineer Intern May 2018 — August 2018
- Collaborated with teams of engineers and salespeople to craft system-level solutions for Texas Instruments' clients.
- Leveraged internal resources to debug client issues, analyze failures, and ensure smooth solution implementation.
- Led a team of 5 interns to prototype an IoT product (UV sensor) for a "Shark Tank" style competition, placing 2nd.

Texas Instruments Waltham, Massachusetts
Technical Sales Representative Intern May 2017 — August 2017
- Contributed to 20 client team solutions to problems ranging from shortages, to lead times, to quality issues.
- Studied the nuances of the Semiconductor Industry Ecosystem: Design, Foundries, Fabs, ODMs, OEMs, CMs, etc.
- Demonstrated ability to manage complex projects by developing a voice-activated, cloud-connected reference design.

PROJECTS

BuildGT Hardware Hackathon - 2nd Place Atlanta, Georgia
"FlameBot" March 2018
- Bridged high-level design thinking and low-level hardware implementation in a fast-paced environment to win 2nd place.
- Built a small ground drone from scratch, controlled on a phone app using an accelerometer and Bluetooth.

Digital Design Lab Competition - 2nd Place Atlanta, Georgia
Autonomous Object Tagging December 2016
- Designed an object tagging algorithm and implemented it in assembly, working on a team of 4 undergraduates.
- Gained "close to the metal" experience writing assembly code to interface with peripherals like sonar and encoders.

RESEARCH

Georgia Tech Undergraduate Research Opportunities Program (UROP) Atlanta, Georgia
Early Detection of Alzheimer's Disease with Clinical Study Voice Data January 2018 — December 2018
- Coordinated with Georgia Tech Faculty and Emory Doctors to unearth the predictive value of patient voice data.
- Executed state-of-the-art statistical feature extraction algorithms on a large dataset of voice data for further analysis.
- Analyzed 20 papers on Alzheimer's Disease and signal processing to better understand gaps in the scientific literature.

Georgia Tech - Lorraine Metz, France
Voice Signal Processing Research January 2017 — December 2017
- Organized and executed experiments in a multilingual work environment, partnering with the City of Metz's opera.
- Employed signal processing algorithms to ascertain how opera training changes vocal characteristics.
- Honed scripting skills in MATLAB to analyze efficiently the vocal characteristics of the study participants.

LEADERSHIP

Tech the Halls Atlanta, Georgia
Finance Director August 2017 — Present
- Collaborated with the Boys and Girls Club and SGA to minimize inefficiencies in the background check process.
- Transformed the organization from focus on a single day of service into a year-round community service effort.
- Centralized accounts, payments, and reimbursements with Georgia Tech to bolster financial sustainability of organization.

Delta Chi Fraternity Atlanta, Georgia
Kitchen Manager & *Homecoming Chair* August 2016 — Present
- Orchestrated the involvement of 100 members in 30 different Homecoming events to win 1st place against 30 fraternities.
- Created a more sustainable meal service by supplying compostable disposables and sending unused food to charities.