

Corentin J. Caer

tinocaer.com | ccaer2@illinois.edu | 347-248-4828

Education

University of Illinois at Urbana-Champaign

August 2019 – Present

B.S. Engineering Physics

Professional Experience

Apply Digital — New York City

June 2020 – August 2020

Software *Engineer Intern*

- Developed a Chrome extension which enabled law firms to digitally verify the identity of their clients over video calls
- Worked on a frontend built with React as well as a serverless backend system powered by NodeJS and AWS Lambda

Calicos — New York City

May 2019 – October 2019

Software *Engineer*

- Built high-performance applications used by tens of thousands of people to monitor the release of highly sought-after items online
- Collaborated with other developers to build complex full stack applications
- Obtained a better grasp of how an actual software company builds their products with multiple teams

Cornell University — Ithaca, New York

July 2018 – August 2018

Research Intern

- Built software and hardware solutions to analyze the construction patterns of beehives in order to come up with cheaper and more efficient manufacturing processes using honeycomb infills
- Advised non-engineering researchers on the best possible applications of technology for their research goals
- Learned how to work independently and make crucial decisions when professor was not available, practiced using OCR and machine learning libraries, and how to effectively collaborate with colleagues in other fields

Max Planck Institute — Stuttgart, Germany

July 2017 – August 2017

Research Intern

- Wrote programs in C and built controllers for a robotic leg based upon spider-leg mechanics
- Carried out strength tests and analyzed the effectiveness of the robotic leg
- Advised on potential hardware weaknesses and possible improvements to the final leg design
- Learned how to effectively communicate with team members, how to properly conduct experiments, and how to carry oneself in a professional environment

Teaching Experience

Introduction to Computer Science (CS 125)

February – May 2020

Course Assistant

- Held office hours and guided students through challenging homework assignments and weekly projects
- Encouraged students to be more independent and to try to find solutions to their problems online (through Stack Overflow, etc.) rather than relying on course assistants or office hours

Leadership Experience

Phi Sigma Kappa Fraternity

February 2020 – Present

Inductor Committee

- Assisted in the planning and execution of important Rituals
- Guide new members through the process towards brotherhood by teaching them the history of Phi Sigma Kappa as well as other important pieces of information such as the Greek alphabet

MIT LaunchX Club — Horace Mann School

September 2017 – June 2019

Development Lead

- Managed a team of twelve engineers to build a new robot swarm system to collect garbage from small bodies of water
- Organized and led tutoring sessions to help students learn about entrepreneurship, engineering, and programming

Tools

Languages: C++, Rust, Java, Python, TypeScript

Frameworks: Node.js, React, Numpy