

Philip “Mac” McCarthy Howe

Cumming, GA | Clemson, SC

Mac@machowe.com | (770) 718-6920 | linkedin.com/in/machowe | github.com/ItsMacto | machowe.com

Education

Clemson University Honors College

Clemson, SC

Bachelor of Science in Computer Science

December 2025

Minor in Cyber Security | Emphasis in Data Science and Artificial Intelligence

3.86 GPA

- 2x President’s List, 2x Dean’s List
- Development in **C, C++, C#, Python, SQL, and Java**
- Collaborated with a professor to develop the final project for Computer Programming II in C++

Experience

TRACE Research Group - Research Assistant

May 2024 - Present

- Conducting research focused on artificial intelligence (AI) and human-centered computing
- Focus on team building and collaboration between AI and human users
- Developing a web sockets backend server to facilitate human-AI teaming in first responder scenarios

Arc-Two Consulting, Inc. - Software Developer Intern (2x)

May - Aug. 2023, May - Aug. 2024

- Software Development of a Customer Relationship Management tool for utility industry asset accounting
- Led multiple full stack projects developing production features and managing the software design cycle
- Engineered Oracle SQL database models, enforcing normalization and prioritizing scalability
- Contributed to the deployment of Security, Cloud Scalability, and Big Data
- Technologies: **PL/ SQL, Oracle APEX, VBA, Cloud Development, Git, Java Script, CSS**

LTN Global - Software Developer Intern

Jul. - Aug. 2022

- Configured company's virtual machine image with GRUB creating custom animated boot loading screen
- Authored Confluence documentation and created flowcharts for code repositories
- Contributed to daily standup meetings, enhancing communication and problem-solving skills
- Technologies: **Python, Linux, Virtual Machines, Git, Docker, Confluence, Jira**

Accomplishments

Theta Tau Professional Engineering Fraternity

Apr. 2024

- Focused on service, professionalism, and brotherhood
- Worked on several community service events such as Adopt a Highway and STEM outreach night

Hackathon Competition

Mar 2024

- Awarded Best Implementation at CU Hackit
- Developed a native iOS app using **Swift, Firebase, and Firestore**
- Integrated APIs to synchronously connect users with live location-specific information

Eagle Scout, Boy Scouts of America

2015 - 2021

- Spearheaded community services project benefiting local environment; led over 100 hours of service
- Inducted into Boy Scouts Honor Society, Order of the Arrow, achieving second highest rank

Technical Skills

Advanced - SQL, PL/ SQL, Python, Oracle APEX, Databases, Git

Proficient - C++, C, Cloud Development, Scikit-learn, NoSQL, Docker, Linux, VBA, CSS

Basic - Java, Java Script, Swift, Firebase, Firestore