





JOHN (JACK) COLE

SOFTWARE ENGINEER

CONTACT

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SKILLS

Embedded Systems
Quality Assurance
Agile Methodologies

EDUCATION

Bachelor's of Science

University of Maryland

2018 – 2022

Computer Science (Data Science Concentration)

Bachelor's of Science

University of Maryland

2018 – 2022

Mathematics

LANGUAGES

Python 
SQL 
C 

PROFILE

I'm Jack, a Software Engineer with dedicated to delivering high-quality results. My skillset encompasses a wide range of technologies, with a focus on Data Science, Python, and C. At Origin AI, I wear multiple hats as a Software Engineer. I've worked on projects that range from Embedded Systems to Quality Assurance, always delivering results quickly and exceeding expectations. I am passionate about making a positive impact in people's lives and continuously developing my skills and knowledge. I'm eager to meet new people and explore new opportunities.

RELEVANT WORK EXPERIENCE

Software Engineer

Origin AI January 2023 – Present

- Developed software on a wide variety of embedded systems, including ESP32 and RealTek microcontrollers.
- Added functionality and documentation for product APIs.
- Provided Quality Assurance for many project teams.
- Used Python, C, and Git for software development.

Undergraduate Research Assistant

UMD Computational Sensing Laboratory May – December 2022

- Extrapolated multimodal data from self-driving cars to help them see through adverse conditions.
- Created a segmentation mapper for identifying cars and other objects of interest.
- Collaborated with professors and graduate students from the University of Maryland.
- Used Python TensorFlow for machine learning.

Full Stack Developer Intern

Evans and Chambers Technology March 2020 – October 2022

- Write tests, add new features, and implement bug fixes for a Grails web application.
- Developed a Threat Assessments module for a security clearance manager.
- Using Groovy, JavaScript (jQuery), and HTML for back-end and front-end programming
- Scrum Agile methodology used to organize developer assignments and production schedules.

Software Developer Intern

JHU Applied Physics Laboratory August 2017 – May 2018

- Developed a tool to calculate the most fuel-efficient path for ships to take across the ocean using Java, Python, and data collected from NOAA.