

# Ian Condon

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Motivated and entrepreneurial computer enthusiast committed to community engagement.

## EDUCATION

**B.S. Computer Science**, North Carolina State University

AUG 2022 - DEC 2025

- Minor in Business Entrepreneurship
- University Honors College, Alpha Phi Omega, 180 Degrees Consulting, Music Makers Club

## SKILLS

**Languages:** Java, C, Python, JavaScript, Swift, PHP, C++, R

**Operating Systems:** Linux, MacOS, Windows

**Web:** HTML/CSS, React.js, Node.js, Dart, Bootstrap

**Tools:** Xcode, VS Code, Eclipse, Git, Jenkins, Docker

**Database/Cloud:** SQL, CockroachDB

**Cloud:** Amazon AWS, Oracle Cloud, Firebase

## PROFESSIONAL EXPERIENCE

**Software QA Engineer Intern**, Gilbarco Veeder-Root

MAY 2025 - AUG 2025

- Automated software initialization and validation for ~70% of America's gas pumps through a full-stack app.
- Created a Python library for automating interactions with a remote power-switch API between Italy and the US.
- Enabled retrieval of AWS web OTP codes, automating platform registration for the testing environment.

**Undergraduate Research Assistant**, VXLab at North Carolina State University

JAN 2024 - PRESENT

- Improving video conferencing by developing a full app prototype and research study through an REU.
- Developed and trained a machine learning model to synthesize novel face angles from dual video streams.
- Created a web-based spatial audio and multi-camera streaming solution for video conferencing.
- Set up a STUN/TURN server using Oracle Cloud VM for NAT traversal.

**President**, 180 Degrees Consulting at North Carolina State University

SEP 2023 - PRESENT

- Led 12-week projects across engineering, automation, finance, and outreach, advancing nonprofit missions.
- Enabled the delivery of higher-impact solutions by designing a technology consultant role.
- Facilitated and advised on a merger between two nonprofit organizations.

**Development Intern**, Navigational Studios

JUN 2023 - AUG 2023

- Built a website from the ground up for a Wilmington startup nonprofit.
- Developed educational music production and video editing programs for youth.

## PROJECTS

**PotLuck:** Full-Stack PWA for Social Betting

- Created a progressive web app where users create wager pools ("pots") based on custom outcomes and invite friends, nearby users, or the public to participate. (Frontend: React.js; Backend: JavaScript, SQL, Docker)
- Recreated for iOS App Store launch. (Frontend: Swift; Backend: Firebase)

**GridChat:** Anonymous Proximity-Based Messaging Platform (HackNC)

- Developed an Android app enabling users to chat anonymously with anyone within a 100-meter radius. (Frontend: Flutter, Dart; Backend: Flask, SQLite, Google Cloud)

**deepQuestion:** Mental Health Journaling App (HackDuke Winner, Database Category)

- Built an iOS journaling app that provides daily writing prompts; anonymous responses are analyzed with NLP to reduce stigma and track mental health over time. (Frontend: Cordova; Backend: Django, CockroachDB)

**QuickBuck:** Social Token-Based Investment Platform

- Developed a web-based platform where the value of a token increases solely based on the number of participants invested. (Frontend: React.js; Backend: PHP, Stripe API)

**Weather Balloon Research:**

- Built and programmed systems to analyze barometric pressure, temperature, and ozone.
- Trained machine learning algorithms for 3D mapping and green space analysis of local communities.