

COLLIN DUNPHY

collind@vt.edu • +1 (703) 980-9395 • linkedin.com/in/collindunphy • github.com/cpdunphy • Clifton, VA

EDUCATION

B.S. Computer Science • Virginia Tech, Blacksburg, VA

May 2025

EXPERIENCE

Research Intern • Tenable, Inc.

June — August 2023

- Developed an API to expand logging from production jobs to simplify & accelerate troubleshooting
- Integrated APIs into existing CLI tools, resulting in improved security and developer efficiency
- Developed scripts to broaden collection of security advisory details which improved product quality

Software Development Intern • NeuroID, Inc.

July — August 2022

- Collaborated with remote engineering team, leveraging **Agile methodologies**, including participating in daily stand-ups, committing code via **GitHub**, and efficiently managing tasks and defects in **Jira**
- Implemented key SDK enhancements (eg. SwiftPM), which led to an increase in client adoption rates

Mobile Application Developer (Contractor) • WeatherAlpha LLC

March — September 2020

- Designed and developed cross-platform mobile application using **Flutter**, **Firestore**, and **Figma**
- Interviewed focus groups to assess product's accessibility, intuitive design, and market value

UNIVERSITY INVOLVEMENT

Director • Student Engineers' Council at Virginia Tech

April 2022 — Present

- Served as a key leadership member of a 501(c)(3) nonprofit with \$1M in annual income
- Managed **300+ corporate partners** relationships to cultivate industry partnership for VT Eng programs
- Directed annual Engineering Expo, the **2nd largest** student-run career fair in the US, which averages **1500+ jobs** and directly contributed to increasing revenue from **\$415k -> \$800k [93%]** over two years
- Collaborated with key university leadership to advance VT Eng objectives supporting **10,000+** students

Undergraduate Research Assistant • VT Department of Computer Science

January 2023 — Present

- Served as a front-end developer for the Computer Systems Genome Project, developing in **React**, **Next.js**, & **Typescript**, where I implemented crowdsourcing features and an intuitive user experience
- Developed the "*Hidden Figures*" force-directed graph visualization tool, and created demonstration capabilities for exhibitor presentation at the 2023 Super Computing Conference

Computer Science Ambassador • VT Department of Computer Science

August 2022 — Present

- Fostered interest, support, and fundraising with VT **distinguished alumni** and **high-net-worth donors**
- Conducted tours, panels, and info sessions for VT CS department, aiding current and prospective students
- Hand-selected as student representative for faculty full-professorship interview on **five member** panel

PROJECTS

DDK – Diadochokinetic Assess (iOS App)

November 2019 — Present

- Created tool to assist speech pathologists in diadochokinetic rate assessments — **7,000+ installs; 5 stars**

SKILLS

Languages: Python, Swift, Java, C, Javascript, Typescript, HTML + CSS, RISC-V, Dart, MATLAB, & Bash/Shell

Developer Tools: VSCode, Agile Methodologies, Git, Docker, Figma, & GCP/Firebase

Frameworks: React, Next.js, Tailwind CSS, SwiftUI, MUI, & Flutter