

# DEREK PERKINS

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## EDUCATION

### Phillip O. Berry Academy of Technology

Graduation 2026

- GPA: 4.43, 3.9
- Relevant Coursework: AP Computer Science Principles; Python Programming I & II; AP Computer Science A

## TECHNICAL SKILLS

**Computer Programs:** Replit, Tkinter (Python), Visual Studio Code, Miro, Jira, Git, Firebase, CodeHS, SQLite, Docker, Slack, Xcode, GitLab

**Programming Languages & Frameworks:** Python, HTML, CSS, JS, React, SQL, Java, Vue.js, JavaScript, TypeScript, Lua, Luau

**Spoken Languages:** English (fluent)

## PROFESSIONAL & TECHNICAL EXPERIENCE

### GitLab

Summer 2024

#### *Code2College Software Engineering Intern*

- Developed communication and technical programming skills with web development in a remote environment
- Worked 40 hours a week for 10 weeks during the summer for a paid internship
- Role as a Web IDE programmer, to help improve the user experience, while learning Typescript and Web Development
- Worked on multiple issues, including: Adding a feature that provided a "Commit message warning if against push rules" [X](#), [Y](#)
- Researched on AI Language models such as Claude, Gemini, and GPT

### Code2College

2023 - Current

#### *Participant - Elite 101*

- Invited and selected to participate in a technical internship preparation program
- Learned programming concepts, including Git, Jira ticketing, team collaboration through Miro, Source Control, and basic software testing concepts
- Designed a cafe chatbot in Python, integrating fundamental and advanced programming for optimal performance
  - Improved efficiency by 30% and increased functionality through strategic software engineering, ensuring a seamless and evolving user experience

#### *Full Stack Web Dev 2*

- Developed JavaScript and SQL skills by working with APIs, data formatting, handling HTTP requests, and controlling the back-end operation of a website
- Created an e-commerce site backend with product databases, functional shopping carts, and search capabilities

#### *Participant - Elite 102*

- Used Python and SQL to create a banking app that allows users to check balances and add/withdraw funds
- Learned how to use MySQL to access data and transmit it to the Python app, and write unit tests

#### *Participant - Game Development*

- 9-week game programming course, including basic and advanced Python and programming concepts
- Developed gaming projects in Python using intermediate concepts such as recursion for error checking, and for/while loops, while demonstrating creativity and technical skills through projects of making our own Python game
- Attended professional development workshops to improve time management, professional skills, and technical portfolio

#### *Participant - Software Essentials 1/2*

- 9-week web programming course including basic and advanced Python concepts
- Developed programming projects in Python using intermediate concepts such as recursion for error checking, and for/while loops, while demonstrating creativity and technical skills through projects of popular games, ex. Wordle
- Developed gaming projects in Python using intermediate concepts such as defining and using function statements, and else/if statements while demonstrating creativity and technical skills

## LEADERSHIP & COMMUNITY SERVICE EXPERIENCE

### National Technical Honor Society & National Honor Society & National Society of Black Engineers

2024 - 2025

- Actively participates in meetings and continuously explores volunteer opportunities. Volunteered for 10 hours as a Jr. Ambassador at an uptown Charlotte fundraising gala and student scholarship reward ceremony
- Enhanced communication skills through technical challenges and collaboration with high schoolers in various subjects.
- Boosted STEM proficiency through organizing and leading competitive STEM challenges with peers.

### Code2College Volunteer

2024 - 2025

- Spent 4.5 hours working with groups of students to enhance their interview coding, technical, and behavioral skills
- Spent 4.5 hours working with groups of students to enhance their resumes, and volunteered in resume-building workshops

#### **AWARDS**

**A-B Honor Roll**

**2022 - 2025**

**Junior Marshal**

**2024 - 2025**

**AP Scholar with Honor**

**2023 - 2024**