Cole A. Roberts

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EDUCATION
TEMPLE UNIVERSITY – College of Science and Technology, Philadelphia, PA
Bachelor of Science   **Graduation:** May 2026
Major: Computer Science | Minor: Management Information Systems | GPA: 4.0
Awards: Deans List: Fall 2022 – Present, Temple Merit Scholarship: Fall 2022 – Present
Selected Courses: Program Design and Abstraction, Discrete Math I, Calculus I, Intellectual Heritage I

TECHNICAL SKILLS
Software Development: Visual Studio Code, PyCharm, Eclipse
Web Development: HTML, CSS, Java, JavaScript, React
Database Management: SQL, Python, Pandas, Seaborn
Project Management: Helix, Slack, Teams, Excel
Data & CRM Programs: Power BI, Tableau, Destiny One

EXPERIENCE
TEMPLE UNIVERSITY, Philadelphia, PA   August 2023 – Present
Jr. Software Engineer Intern, Information Technology Department
- Assist three different teams to rewrite and debug university web applications used internally and externally
- Develop front-end of a new web application for Temple's Osher Lifelong Learning Institute using the framework React
- Collaborate on a new internal application used to help visualize the results of Temple's polls using Java Server Pages

Teachers Assistant – Digital Systems, Fox School of Business   August 2023 – Present
- Assist 117 Temple University students in learning coursework relating to Entity Relationship Diagrams and Customer Relationship Management Systems
- Teach students basic JavaScript syntax and the coding concepts of variables, loops, and functions
- Aid students in understanding class concepts during weekly office hours

Student Worker, Information Technology Department   January 2023 – August 2023
- Updated and fixed bugs on university web pages using HTML, CSS, and Bootstrap
- Utilized Destiny One and Helix to fulfill 150+ support tickets for Continuing Education Office
- Studied proprietary software and generated meaningful training videos for internal usage

PROJECTS
Arduino Nano Project, Open Project Space (OPS)   October 2023 – Present
- Work with Arduino Nano's to gain a better understanding on how hardware works with software
- Use potentiometers to limit the amount of electricity flowing to LEDs to make them shine at different intensities
- Program different songs into the Arduino Nano using a note library and play them through a connected speaker

Website Migration, Association for Information Systems (AIS)   August 2023 – Present
- Redesign the Association for Information Systems' Squarespace website to make it more user friendly and reactive
- Continuously add custom functionality and designs to the site as needed using HTML, CSS, and jQuery

Owl Hacks Hackathon, Temple University   September 2023
- Developed a Quizlet–like application for the TI–84 calculator with a team using C in a 24–hour competitive time frame
- Built a website using the framework React to display our project as if it were an actual product

ACTIVITIES
Member, Association for Computer Machinery   September 2023 – Present
Member, Institute of Electrical and Electronics Engineers   September 2023 – Present
Member, Temple Robotics Club   September 2023 – Present
Chair of IT, Association for Information Systems   August 2022 – Present