MACKENZIE DOAN

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EDUCATION

University of Maryland, College Park   **Expected:** May 2026
Bachelor of Science in Computer Science, Minor: Asian American Studies

RELEVANT COURSEWORK

Web Development, Object-Oriented Programming, Discrete Math, Computer Systems, Calculus (I, II, III), Algorithms, Data Structures, Organization of Programming Languages, Applied Probability and Statistics

SKILLS AND CERTIFICATIONS

- **Programming Languages**: Java, JavaScript, HTML, CSS, C, Python, MATLAB, OCaml, Rust, R
- **Web Technologies/Frameworks:** jQuery, Angular, React
- **Developer Tools:** Figma, FileZilla (FTP), Git, Eclipse IDE, Visual Studio Code, AWS

WORK EXPERIENCE

Mission Agency | Baltimore, MD   May 2024 - August 2024
Full-Stack Developer Intern

- Developed custom front-end websites using JavaScript, HTML, CSS, PHP, and jQuery, enhancing user experience, engagement, and mobile responsiveness
- Repaired high-monthly traffic websites with 10,000+ viewers for clients like the Maryland Zoo and the Supreme Court Historical Society, leveraging open-source CMS platforms such as WordPress and Drupal
- Collaborated with intern cohort to create internal advertising campaigns and landing pages, attracting quality clients
- Performed thorough QA and ADA compliance testing, adhering to WCAG 2.2 guidelines to ensure universal accessibility

Adobe Design at University of Maryland | College Park, MD   August 2024- Present
Student Ambassador

- Plans and executes 4+ Adobe workshops teaching students how to best utilize Adobe applications
- Promotes Adobe through content creation and advertising through personal social media channels, driving students' awareness and interest in utilizing Adobe programs

ESF Camps | Baltimore, MD   June 2023 - August 2023
Coding Instructor

- Led ESF's coding camp guiding 15 students in completing 5 coding projects using JavaScript, HTML, and CSS
- Curated 5+ lesson plans focusing on A.I. personal machines, visual arts, music, and digital navigation
- Fostered a positive and encouraging learning environment, facilitating students' understanding in fundamentals of programming

PROJECTS

Bee HOSS Website | JavaScript, HTML, CSS, jQuery   May 2024 - August 2024
Mission Agency

- Developed a website for honey hot sauce company Bee HOSS to highlight brand values, ingredients, and products
- Partnered with design and copywriting teams to devise the user-interface design, contents, and wireframes

Bakefile | C, Unix   February 2024 - March 2024
Computer Systems

- Implemented a custom Makefile to streamline the compilation process for a C project using Unix
- Integrated key Make features such as variable definitions and target rules to handle both compilation and cleanup tasks

Graphs and Mazes | Java, Eclipse IDE   November 2023 - December 2023
Object-Oriented Programming

- Engineered a maze game that generates maze types using weighted-directed graphs to complete different traversal types such as breadth-first traversal, depth-first traversal, and Dijkstra's Algorithm
- Utilized Java and object-oriented programming to implement the complex logic and functionalities, ensuring seamless traversal and maze generation

ACTIVITIES AND AWARDS

Activities: Society of Women Engineers, Girls Who Code, Vietnamese Student Association, Crochet for a Cause