

Tara Morin

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EDUCATION

University of Virginia

May 2025

B.A. in Computer Science and B.A. in Cognitive Science

GPA: 3.5

Relevant Coursework: Data Structures and Algorithms, Research Methods and Data Analysis, HCI in Software

Development, Machine Learning, Software Development Essentials, Software Engineering, Programming Languages

UVA in Greece Creative Interaction Design Program, UX Researcher and Designer

May-June 2024

- Interviewed over 50 tourists as potential users to assess their travel needs and challenges
- Prototyped interactive application for tourists to learn history through 3 iterations of design
- Selected for program along with 11 other students

TECHNICAL PROJECTS

ML4VA Machine Learning Competition

- Examined 40 attributes from 1800 Virginia public schools to analyze connections to standardized test scores
- Built a data pipeline using Python, Pandas, and Scikit-learn
- Fine-tuned K-means clustering, Random Forest regressor, gradient descent, and neural network models
- Placed 3rd out of 50+ teams due to our models' success and the clarity of our video presentation

StudyBuddy

- Designed and created a web application for students and working professionals to log their tasks, and time spent
- Created a PHP controller and multiple PHP files to route user requests
- Developed a live timer and up-to-date leaderboard of all app users, both implemented using JavaScript
- Styled each page using LESS and Bootstrap's grid system

Credit System

- Implemented a budgeting application designed to split costs for multiple people, where each item has a variable amount of contributors
- Utilized Angular to create the app, using TypeScript components to build JavaScript code
- Included a PHP backend file to make user queries to a SQL database

WORK EXPERIENCE

The Players Company, UX Design Intern

August-December 2024

- Designed web interface of financial literacy program
- Conducted UX audit to evaluate the user experience in navigating landing page
- Conferenced with members of development team to sync design and development teams

University of Virginia, Teaching Assistant- Advanced Data Structures and Algorithms

January 2024- May 2025

- Provided office hours for 4 hours weekly for class of over 400 students to seek assistance
- Aided in coding assignments implemented in Java and Python
- Tutored and graded exams on algorithms such as BFS, DFS, dynamic programming, and greedy algorithms

Wattbuild, User Research/ Software Design Intern

June-August 2024

- Researched product domain and reported on competing social media in the solar power space
- Created and maintained database on the most common wattages of 30 household appliances
- Designed community forum for solar power users to share their solar systems and troubleshoot issues

SKILLS

Languages: Java, Python, R, C, JavaScript, TypeScript, HTML, CSS, SQL, PHP

Frameworks & Tech: Django, Angular, Heroku, Git, Microsoft Office, Canva, Figma, Framer, OnceUI, Audacity, Reaper