

Christopher Lee

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Experience

Computer Scientist

Nov 2021 – Dec 2023

Naval Research Laboratory

Washington, DC

Project A:

- Member of the Artificial Intelligence team focused on reinforcement learning tasks
- Developed, improved, and maintained existing programming infrastructure based on sponsor requirements
- Researched and applied reinforcement learning topics from academic papers and libraries

Project B:

- Lead developer on a robotics project utilizing computer vision to solve optical science problems
- Developed a closed-loop control system using different hardware and APIs based on project requirements
- Integrated computer vision concepts from academic papers and libraries

Software Engineer Intern

May 2020 – Aug. 2020

Atlantic Design Group

Columbia, MD

- Designed and developed a payroll application used by 40+ personnel using Python, PyQt5
- Implemented frontend GUIs and backend logic for scraping and processing timecards

Software Engineer Intern

May 2019 – Aug. 2020

Atlantic Design Group

Columbia, MD

- Redesigned existing web infrastructure; transitioned website to a responsive layout using HTML, CSS, and JavaScript
- Implemented semantic markup to existing HTML
- Managed and updated website content: added new web content, optimized images in Adobe Photoshop

Projects

Backend/Full Stack

- Sports Management Software: CRUD operations, user login
- Chirp Blog Posting: CRUD operators, handling HTTP requests

XAMPP, PHP, MySQL, Git

Node.js, Express.js, EJS, Git

Frontend

- myCalendar: data fetching, advanced state management, custom hooks
- Coffee Shop: semantic markup, responsive design, image optimization

React, JSX, Vite, Git

HTML, CSS, JS, jQuery, Adobe

Misc Projects

- PacmanAI: Informed state-space search, probabilistic inference, RL
- Payroll App: GUI, emailing service, time card processing
- C parser/interpreter: Small C parser/interpreter, functional programming
- WordNet: semantic lexicon, computational linguistics

Python, Git

Python, PyQt5, Git

OCaml

Ruby

Education

University of Maryland

College Park, MD

Bachelor of Science in Computer Science, Minor Statistics

Jan. 2018 – Aug. 2021

Anne Arundel Community College

Arnold, MD

Full Stack Web Development Certificate

Jan. 2024 – Present

Technical Skills

Languages: Python, JavaScript, PHP, C, C++, Java, Ruby, R, HTML5, CSS

Technologies: MySQL, Node.js, Express.js, jQuery, XAMPP, React, Vite, Git, Docker, Linux, Windows, MacOS, Kubernetes