

Christopher Nair

Iowa City, IA

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📍 Christopher Nair

EDUCATION

•University of Iowa

August 2021-December 2024

Computer Science, BS
Arabic Language, Minor

EXPERIENCE

•Collins Aerospace

May 2024-Present

Software Engineering Intern

Cedar Rapids, IA

- Implemented database and associated web-based GUI for tracking of all equipment used for avionics test engineering company-wide
- Developing hardware abstraction layer for software control of avionics test equipment in an Agile Scrum environment

•University of Iowa Driving Safety Research Institute

June 2023-August 2023

Undergraduate Software Developer

Iowa City, IA

- Developed autonomous driving software for 1:10 scale self-backing car and trailer system
- Supervised high school interns in refactoring of legacy code and deployment of new project features

•University of Iowa

March 2023-December 2023

Computer Science Peer Tutor

Iowa City, IA

- Provided individual tutoring to fellow Computer Science students in a variety of courses.
- Endorsed by University of Iowa to provide said tutoring services

•University of Iowa CAMBUS

August 2021-August 2024

Transit Operator

Iowa City, IA

- Transported passengers on fixed routes in class B public transport bus
- Provided paratransit services to individuals with disabilities

•Johnson County SEATS

March 2022-October 2022

Paratransit Operator

Iowa City, IA

- Transported elderly and disabled passengers to and from various urban and rural locations

PERSONAL PROJECTS

•Glomerular Identifier (WIP)

- User-friendly computer vision application that aims to assist in enumeration and identification of glomeruli in histological slides of the kidney.
- Integrated OpenSeadragon, OpenSlide, and VIPS for high-resolution image viewing and processing. Hosted in .NET Blazor for intuitive user interaction and seamless fullstack development.

TECHNICAL SKILLS AND INTERESTS

Languages: C#, JavaScript/TypeScript, C, Java, Python, Kotlin, Haskell, ARM Assembly, Razor

Developer Tools: Windows, Linux, Git, .NET, Single-board Computers

Coursework: Data Structures, Artificial Intelligence, Discrete Math, Software Development, Computer Organization, Computer Networks, Programming Language Concepts, Functional Programming and Algorithms, Mobile Computing, Algorithms, Operating Systems, Theory of Computation, Software Engineering

Areas of Interest: Software Engineering, Computer Vision, Linguistics, Computer Networks, Functional Programming, Backend Web Design

Work Authorization: United States, European Union, India

LANGUAGES

- English *Native*
- French *Advanced*
- Spanish *Advanced Intermediate*
- Arabic *Intermediate*
- Romanian *Native*