

# Christopher Nair

Iowa City, IA

+1 (319) 400-9159  
✉ chrisnair1@gmail.com  
🌐 chrisnair  
📍 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*