John Gunerli

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(470) 388-2623

EDUCATION

Georgia Institute of Technology — Atlanta, GA
B.S. in Computer Science, CGPA: 3.72 — *Graduating Dec 2023*

EXPERIENCE

Georgia Institute of Technology — Atlanta, GA
Undergraduate Researcher — LIDAR Lab — *Aug 2022 – Present*

- Developed a computer vision script using OpenCV's HOG detector for whole-body detection.
- Implemented human detection and human distance detection through depth sensors with respect to the camera location.
- Demonstrated the ability to accurately measure the distance of detected humans from the camera.
- Contributed to the development of a real-time human detection system for CASSIE, the GT LIDAR Group's robot system for human trajectory detection.

Georgia Institute of Technology & Emory University — Remote
Undergraduate Student Assistant: Web Development and Architecture — *May 2022 – Sep 2022*

- Designed and built a website from scratch using Typescript, Figma, and React.
- Presented the design to Georgia Tech and Emory University faculty for approval throughout the development process, meeting HIPAA standards and hosted at AWS.
- Gathered and evaluated information from faculty to tailor the website to their needs, including creating visualization dashboards and implementing secure authentication systems for researchers.

University of Georgia — Athens, GA
Undergraduate Student Assistant: Frontend Lead and Head of UI/UX — *May 2021 – Jun 2022*

- Acted as Frontend Development Lead and Undergraduate Student Assistant for the CiliaWeb project, an NSF-funded integrated platform for foundational and reproducible ciliary beat pattern analysis.
- Led a team of 3 people in the frontend development department for the project.
- Oversaw the complete redesign of the website using Figma, React, Ant Design, and Bootstrap.
- Utilized Figma, React, and ExpressJS to create an improved user interface and user experience.
- Contributed to the development and architecture of the website.

University of Georgia — Athens, GA
Undergraduate Researcher — HERO Lab — *Aug 2021 – Dec 2021*

- Experienced with ClearPath Robotics' TurtleBot 2, Rover Robotics' OpenRover, and CMU's LoCoBot.
- Developed scripts to teleoperate and create simultaneous maps (SLAM) using gmapping software in ROS.
- Collaborated with graduate students and faculty to overcome challenges and troubleshoot research obstacles.

Peero — Remote
Co-Founding Team & Startup Technical Program Manager — *Jan 2021 – Aug 2021*

- Oversaw product development for the startup, managing projects involving software, hardware, and internal communication.
- Led product strategy and roadmap creation, working closely with the business team and in-house designer.
- Facilitated agile development and made data-driven decisions to ensure the timely delivery of high-quality products.
- Collaborated with CTO on technology development and software build decisions.

Turkiye Is Bankasi — Remote
Software Engineering Intern — *Sept 2020 – Oct 2020*

- Completed an internship as a Software Engineer at the payment processing team at SoftTech, the software subsidiary of Turkiye Is Bankasi.
- Collaborated with a team of 5 software engineers on the development of a Point-of-Sale orchestration platform.
- Applied Angular and C# in the creation of a visual JSON connection program, utilizing the front and backend, respectively.
- Utilized MongoDB and .NET systems in the development process.

SKILLS SUMMARY

Languages:	Python, C++20, Java, Julia, TypeScript
Packages:	sklearn, Streamlit, Matplotlib, NumPy, BeautifulSoup, Pandas, OpenCV, Figma, SQL
Interests:	Soccer, European History , Linguistics, Cryptocurrencies