Hakan 'John' Gunerli

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Research Interests

- **Human to Computer/Robot Interaction**
- **Computer Architecture**
- **Computer Science & Education**

Education

Georgia Institute of Technology – BS in Computer Science
Expected May 2023

- Track: Emphasis in People & Devices, with Research Option

University of Georgia – BS in Computer Science
2021, GPA: 3.8/4.0

- Track: Emphasis in Artificial Intelligence and Certification in Data Science

Georgia State University – BS in Computer Science
2019-2021, GPA 3.93/4.30

- Track: Data Science Certification

Research Experience

UGA: Heterogeneous Robotics (HeRo) Research Lab
from August to December 2021
Advisor: Ramviyas Parasuraman PI: Nazish Tahir
My research assistantship consisted of helping design the new interface that we are doing our research on.

- Awarded the competitive CURO scholarship stipend of $1500.
- Created scripts to teleoperate and map simultaneously (SLAM) using gmapping software in ROS.
- Assisted with lab chores including preparing ROS software workspaces for operating and running robots.
- Worked collaboratively with graduate students and faculty to troubleshoot research obstacles.
- Conducted research and Literature review, reported information regarding Human-Robot Interaction.

B-Innovation Laboratory Fellow: Virtual Factory Project
From August to November 2021
Advisor: Jaime Camelio
My assistantship consisted on writing scripts that helped a Raspberry Pi communicate with between the robot which is moving real time and is also being represented at Unity in a Virtual representation of the Laboratory.

UGA: CiliaWeb Web Development
From May to November 2021
Advisor: Shannon Quinn
I worked with a team of engineers to write a web application that allows users to annotate Cilia data and help us identify the video samples of Cilia. I have created the User interface for the project entirely by myself with the input and alterations provided by Dr. Quinn.

- Worked closely with a team of 5 to redesign and redevelop the interface for the new CiliaWeb project, the only UI/UX designer in the team.

Teaching Experience

Istanbul Technical University Robotics Club
Guest Lecturer, September 2021 to Present
- Taught Introduction to C++ (CS101) class completely online with material that is done from scratch to fit the need of the students. Over 3 hours of lecture material, with assignments and solution sets.
- Will be teaching Introduction to Data Structures in C++ (CS102) in the upcoming semester.

Georgia State University: Computer Science Club
Assistant Robotics Instructor, *July to August 2020*
- Taught Introduction to GitHub, Git, and Linux basics, co-prepared introduction to Python lectures.

TheCoderSchool in Johns Creek
Course Instructor, August 2019 to July 2021
- Assessed and supervised 50+ students' progress throughout the year and design projects with other staff to create an immersive teaching experience.
- Planned content to be covered in the class according to the curriculum and the date of project deadlines.

Sunshine STEM Academy
Assistant Robotics Instructor, *July to August 2018*
- Co–taught programming classes to students between the ages of 6–13 through their LEGO Robotics competitions.

Most Recent Industry Experience

Peero
Head of Product, *January to August 2021*
- Delegate decisions regarding software build content and timing with the CTO.
- Oversaw the strategic product direction, creating a product roadmap, and collaboration/lead of the business team.
- Measure impact and establish metrics for programs to manage risks and make informed decisions on subsequent actions.
- Schedule projects and programs which combine software, hardware, and internal communication within the team.

Turkiye Is Bankasi
SWE Intern – Payment Processing, *September to October 2020*
- Completed an internship at one of the backbones of the company's profit areas.
- Coordinated with a team of 5 engineers on POS orchestration software.
- Engineered and maintained C# in the backend and Angular in the frontend to create a visual JSON connection program.

uVox Inc.
Cloud Engineering Intern, *May 2019 to December 2020*
- Installed and configured the ePub protection DRM software Readium LCP, connected to MySQL.
- Design, integrate, and deploy APIs to Google Cloud Platform.
- Created reports and reported directly to the CEO about possible technologies to be implemented.