Ecclesia Morain

332520 Georgia Tech Station Atlanta, GA 30332
emorain@live.com | (470) .629. 3412
Website: http://emorain3.github.io

OBJECTIVE

To obtain a position in a development or rotational program. Interested in machine learning, data science, and web development.

EDUCATION

Georgia Institute of Technology | Atlanta, Georgia
Bachelor of Science in Computer Science   July 2013- May 2018
Concentrations: Intelligence, Information & Internetworks

PROJECTS

Georgia Institute of Technology | Atlanta, Georgia
On the Spectrum/ Senior Capstone Project   January 2017-December 2017
Developed Android application to aid nonverbal autistic individuals communicate with emergency services along with a team. Link: *https://github.com/ETVargas/OnTheSpectrum*
- Developed System Architecture and Design documents
- Implemented network communication for text-to-speech functionality
- Triaged with city of Atlanta to ensure effective and successful deployment of final product

Research Assistant at the Wall Lab/Technology Square Research Center   May 2015–Dec 2015
Assisted with project designed to improve computer intelligence models by evaluating spatial thinking in humans, with a focus in autistic individuals.
- Collected and reviewed video data; designed methods for annotating and processing video data

SKILLS

Programming: (Proficient) C, Python, Java. | (Familiar) HTML, CSS, Visual Basic
Software: (Proficient) Android Studio, GitHub, LaTex | (Familiar) Altera Quartus II, ModelSim.
Platforms: (Proficient) Windows. | (Familiar) Linux (Ubuntu)
Hardware: (Familiar) FPGAs
Project Management: Zenhub, Trello

EXPERIENCE

Georgia Institute of Technology | Atlanta, Georgia
Technical Assistant / Georgia Tech Athletic Association IT Dept.   May 2018 – Present
- Provide information and technical assistance to dept members. Troubleshoot and maintain machines. Develop dynamic spreadsheets w/ Visual Basic.

Lead Student Assistant/ College of Computing Office of the Dean   January 2016 – May 2018
- Assist faculty with tasks, oversee receptionist areas, respond to inquiries, handle inventory

Tutor/ i3 Experience   March 2015- May 2015
- Assisted teach a course of 20 elementary students computational programming concepts through LEGO programming framework

Duke University | Durham, NC
Teaching Assistant for Modern Programming Course/ Duke TiP   July 2017
Assisted teach a course of 18 high school students for a 3-week summer program intended to simulate a semester of college.
- Taught functional programming with Python, intro to HTML & CSS, and intro to computer intelligence covering Graph Theory and algorithms for pathfinding