Elijah Nicpon

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Objective

I'm a Computer Science major at the Georgia Institute of Technology, specializing in Information Internetworks (representing, transforming, transmitting, and presenting data) and Intelligence (building top-to-bottom models of rational agents and human-level intelligence). I have a strong interest in genetic algorithm design, machine learning, and novel data visualization techniques. I'm seeking an internship in data analytics and/or software development starting Summer or Fall 2022. I can't wait to share and develop my technical and professional skills with a great team!

Education

Georgia Institute of Technology | Atlanta, GA *August 2021 – Present*
Candidate for Bachelor of Science in Computer Science, GPA 4.00 *Expected Graduation, December 2024*

Dunwoody High School | Dunwoody, GA | GPA: 4.50 | ACT: 34.25 | GA Scholar *August 2017 – May 2021*

Skills

Programming: Python (deap, sklearn, pandas, ArcPy, beautiful soup), Java, R (Shiny), HTML, CSS, Javascript
Tools: Git, Excel, ArcGIS, Adobe Creative Cloud Suite, Canva, MS Teams, Slack

Experience

NewFields Environmental Services | Atlanta, GA *May 2021 – August 2021*
Data Analyst / Software Engineer
A mid-sized global environmental, engineering, and construction management consulting firm.
- Performed assorted statistical analyses, with tools including R, Python (pandas), ArcGIS, Excel, and Access, such as an environmental justice analysis for GA Power, which helped earn a contract extension with Southern Company's whole portfolio
- Software Development of ArcGIS database tools with ArcPy, increasing departmental productivity
- Developed data scraping, intake, and management tools in Python (pandas, beautiful soup) according to clientele needs

Brio Business Academy | Atlanta, GA *2020 – Present*
Graphic Designer and Data Analyst
Brio aims to transform the entrepreneurial process by providing training, coaching, and networking for aspiring entrepreneurs.
- Developed motion graphics templates for business management education videos
- Begun development of personalized course recommendations based on consumer data to increase user interaction

Academic and College Admissions Tutor (multiple organizations) *2018 – 2021*
- Tutored AP Calculus and AP Physics I/II; advised college essays and applications; created guides for future applicants

Projects

Automated Algorithm Design
Team Member | Georgia Tech VIP Program *Spring 2022*
Project dedicated to the development of a framework that fundamentally alters the development of algorithms.
- Usage of deap and scikit-learn libraries in Multi-Objective Genetic Programming (MOGP) to develop exploratory algorithms that span desired objectives, minimizing error and maximizing efficiency

Relevant Coursework

Introduction to Object Oriented Programming: Introduction to the techniques and methods of object-oriented programming, taught in java with an emphasis on software development and individual programming skills. *(In-Progress)*
Full-Stack Web Development Bootcamp: Online Udemy bootcamp with HTML, CSS, JavaScript, Node, React, MongoDB, and SQL courses for front to back web development. *(In-Progress)*

Involvements & Interests

Scouts of America (Formerly Boy Scouts of America) | **Troop 477** *January 2013 – December 2020*
- Eagle Scout

Georgia Tech SMILE (**S**preading **M**essages **I**n **L**ove and **E**ncouragement) *August 2021 – Present*
- Student Engagement Committee Co-Marketing Chair

Assorted Extracurricular Involvements and Interests
- Filipino Student Association, Piano, Ukulele, Rec Volleyball, Graphic Art, Film Photography and Oxford Commas