ENOCH KUMALA • (303) 709-0420 • ekumala3@gatech.edu • U.S. citizen • World Record Setter
Georgia Tech: https://gatech-csm.symplicity.com/profiles/enoch.kumala   **LinkedIn:** https://www.linkedin.com/in/enoch-k-6926b8156/   **GitHub:** https://github.com/EKumala1

EDUCATION (Link: **https://tinyurl.com/ycrzr8x4**)

GEORGIA INSTITUTE OF TECHNOLOGY, ATLANTA, GA **GPA: 3.85** *(111 credits)*	Expected May 2022 (Age 12-17)

Candidate for M.S. in Computer Science. Fast Track prog. (Youngest ever admitted in Georgia Tech's history at age 14). Conc.: Machine Learning & AI.
Candidate for B.S. in Computer Science. Promising Scholar & Provost Scholar (Youngest in Georgia Tech's history at age 12). Concentration: Information Internetworks & Artificial Intelligence. Additional Specialization: Computational Data Analytics. Full Scholarship award ($245,000), Faculty Honors & Dean's List.

UNIVERSITY OF COLORADO DENVER, DENVER, CO **GPA: 3.86** *(28 credits)*	Last attended May 2017 (Age 8-12)
COMMUNITY COLLEGE OF DENVER, DENVER, CO **GPA: 3.75** *(45 credits)*	Last attended December 2016 (Age 7-11)

COURSES: Introduction to Programming, Fundamentals of Computing, Intermediate Programming, Data Structures & Program Design, Objects & Design, Data Structures & Algorithms, Introduction to Object-Oriented Programming, Computer Organization & Program, Systems & Networks, Project Design, Project Implementation, Honors Design and Analysis of Algorithms, Database System Concepts, Introduction to Database Systems, Database System Implementation, Introduction to Artificial Intelligence, Automata and Complexity, Robotics and Perception, Game AI, Machine Learning for Trading, Machine Learning, Mobile Application Development, Mobile Computing and Programming, Introduction to Software Engineering, Game Design and Development I, Introduction to Information Visualization, Computing for Engineers, Computing for Data Analytics (Machine Learning), User Interface Design.**,**Calculus I, Calculus II, Calculus III/Engineer App, Differential Equations with Linear Algebra, Discrete Structures, Linear Algebra, Introduction to Discrete Mathematics for Computer Science, Applied Combinatorics**,**Introduction to Statistics, Statistics & Applications, Probability & Statistics, Chinese I & II, Public Speaking, Microeconomics, Macroeconomics, English Composition, Technical Communication Strategies, Technical Communication Approaches
Programming languages: Java, C, C#, C++, HTML5, CSS3, JavaScript, PHP, Python, Objective-C, SQL, Angular, React, TypeScript, JavaFX, MATLAB, D3, R
Applications: Microsoft Office, Unity Framework, blender, PreForm, Adobe Illustrator, Eclipse, Visual Studio, TensorFlow, Tableau
Technologies & Industry knowledge: OpenCV, JSON, .NET framework, Unix, Linux, Windows, Ubuntu, Git, Jupyter, Agile, Scrum, Elasticsearch, Nginx, AWS, Okapi, Happy Trails

EXPERIENCE

LAZARD (NYSE: LAZ) – **Fall Data Analytics Software Engineer Intern**	ATLANTA, GA	August 2020 – Present (Age 15)

Continuing Software Engineer Intern within the Lazard Data Analytics Group.

AMAZON (NASDAQ: AMZN) – **Software Development Engineer Intern**	SEATTLE, WA	May 2020 – August 2020 (Age 15)

- Started my internship at Amazon Artificial Intelligence - Translate division (https://aws.amazon.com/translate/) within Amazon Web Services (AWS) as the youngest engineer in the company's history at age 15, Amazon's minimum age requirement. Received return offer for Summer 2021.
- Collaborated with experienced cross-disciplinary Amazonians to develop, design, and bring to market innovative devices and services.
- Designed and built innovative technologies in a large distributed computing environment and helped lead fundamental changes in the industry.
- Created solutions to run predictions on distributed systems with exposure to cutting-edge technologies at incredible scale and speed.
- Built distributed storage, index, and query systems that are scalable, fault-tolerant, low cost, and easy to manage/use.
- Amazon Translate within the Amazon Web Services (AWS) is a neural machine translation service that delivers fast, high-quality, and affordable language translation. Neural machine translation is a form of language translation automation that uses deep learning models to deliver more accurate and more natural sounding translation than traditional statistical and rule-based translation algorithms. Amazon Translate allows clients to localize content - such as websites and applications - for international users, and to easily translate large volumes of text efficiently.

H2 VENTURES – **Participant in the Venture Capital Virtual Internship**	ATLANTA, GA	May 2020

Completed the following modules: Conducting investment prospecting and analysis; Applying the VC valuation method to valuing a portfolio company; Devising an investment selection process for the fund; Developing growth strategies for portfolio companies.

LAZARD (NYSE: LAZ) – **Spring Data Analytics Software Engineer Intern**	ATLANTA, GA	January 2020 – May 2020 (Age 15)

Continuing Software Engineer Intern within the Lazard Data Analytics Group.

LAZARD (NYSE: LAZ) – **Fall Data Analytics Software Engineer Intern**	ATLANTA, GA	August 2019 – December 2019 (Age 14)

Returning Software Engineer Intern within the Lazard Data Analytics Group.

LAZARD (NYSE: LAZ) – **Summer Data Analytics Software Engineer Intern**	NEW YORK, NY	May 2019 – August 2019 (Age 14)

- Started my internship as the youngest hire in the firm's 171-year history at age 14, the earliest legal age to work in the state of New York.
- Work within the Data Analytics Group and collaborate closely on strategic initiatives with data scientists, investment bankers, and senior management across the firm. (https://www.lazard.com/)
- Work on projects that implement predictive technologies such as data science and artificial intelligence to assist corporate clients in investment banking activities such as mergers and acquisitions, restructuring, shareholder advisory, and corporate preparedness. Examples include:
  o Creating a machine learning model to use around 200 basic fundamentals to assess the risk of activism that a client company faces.
  o Creating natural language processing methods to sort through thousands of public documents, such as press releases and earnings reports to retrieve mergers and acquisition deal information.
  o Making improvements on the buy-side and sell-side fees calculation based on hundreds of deal information.
- Responsible for designing, building, testing, and maintaining large-scale software applications and data products.

CHILDPLUS SOFTWARE - **Software Development Intern**	ATLANTA, GA	May 2018 – August 2018 (Age 13)

- Started my internship as the youngest software developer in the firm's history at age 13. (https://childplus.com/)
- ChildPlus Software is rated #1 most widely used Head Start management software by the US Office of the Administration for Children & Families.
- Stemming from President Lyndon B. Johnson's 1964 declaration of The War on Poverty, the Head Start program was designed to help break the cycle of poverty by providing preschool children of low-income families with a comprehensive program to meet their needs.
- The ChildPlus software allows Head Start agencies to go paperless, perform self-monitoring checks, manage multiple programs all in one database, create modules directly in ChildPlus.net to meet the agencies exact needs, monitor family goals and outcomes, ensure all health requirements are met and enroll the neediest children based on eligibility requirements.
- Assigned the task of migrating report-generation function from Windows-based to a Web-based environment. Specifically, the task involved converting a key section of the Windows user interface to an Angular-based web interface to enable accessibility of software on mobile devices. It also involved refactoring the C# backend to correctly serve the new interface. The goal of the task was achieved by collaborating with senior members of the design and software departments to ensure the new interface and backend match the desired specifications and overall software architecture.

NOTABLE PROJECT (Comprehensive Portfolio: **https://devpost.com/EnochKumala**)

StreamViz - UOWN Visualization and Data Analysis for Junior Capstone Project (https://tinyurl.com/ycg3jasu) January 2019 – December 2019
As the lead software engineer of the 1-year long Junior Capstone project, I was responsible for recruiting and training the team on the technology used and led my team to win the Runner Up Winner award of the Georgia Tech College of Computing Fall 2019 Junior Design Expo, with judges representing Stryker, NCR, Walmart, State Farm, and GT's College of Computing (https://tinyurl.com/ya6ag23h). The Upper Oconee Watershed Network (UOWN) is an organization that monitors water quality in the Athens-Clarke County area and have done so for 21 years. My team and I created a web application, StreamViz, that allows the public to view stream data including plotting data to look at relationships between water quality metrics (XY scatter plots, bar plots), view summaries of data, and also display our site locations on a map that allows one to select a location on the map and bring up the data for that site. Application: https://tinyurl.com/y9to3sx3. Demo: https://tinyurl.com/ybz4xhqk. Skills used: ReactJS, Flask Framework, Python, MATLAB, D3.js.

HONORS & AWARDS (Link: **https://meritpages.com/enochkumala**)

- ProMazo's 2020 "40 Most Interesting Students"	August 2020 (Age 15)
- World Record Setter as the Youngest Wall Street Professional (https://tinyurl.com/y9hm3gk9)	January 2020 (Age 15)
- Runner-Up Winner of the Georgia Tech College of Computing Junior Design Expo (https://tinyurl.com/ya6ag23h)	December 2019 (Age 14)
- Awarded scholarship by Dr. Sebastian Thrun of Udacity	May 2018 (Age 13)
- Initiated into the Tau Sigma National Honor Society at Georgia Tech	April 2018 (Age 13)
- Awarded the Promising Scholar & Provost Scholar full scholarships (Total: $245,000) to attend Georgia Tech	August 2017 (Age 12)
- 1st place winner of the Association for Computing Machinery (ACM) programming contest (https://tinyurl.com/yb7ewf5c)	April 2016 (Age 11)
- Inducted into the Phi Theta Kappa Honor Society (https://tinyurl.com/ycmw84a8)	May 2015 (Age 10)

EXTRACURRICULAR ACTIVITIES

Volunteer for the "Feed the Homeless" through the Rocky Mountain Harvard University Club (http://rmhuc.clubs.harvard.edu/article.html?aid=612) * Association for Computing Machinery * The Sports Innovation Challenge Hackathon by Georgia Tech Athletics * The 2nd annual BuildGT Hackathon * AI @ T-Mobile "Closer to the Customer" Hackathon * Rocky Mountain Conservatory Theatre * Golf * Swimming