Benjamin Estrada

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| Linkedin | https://estradab.dev |

Education

Virginia Commonwealth University	Expected Graduation: May 2024

Bachelor of Science in **Computer Science**
Minor in **Mathematics**

John Tyler Community College	Graduated: May 2021

Associate of Science in **Computer Science**

Skills

Programming Languages: Java, JavaScript, C, Python, HTML, React, JavaScript, Quarto, CSS
Frameworks/Tools: Flask APIs, Spring Boot, Kafka, Expo, Gradle, Maven
Software: GitHub, Unity, Linux, Mac OS, Win OS, Agile, VMware, AWS EC2, IOS Simulator, Figma, GCP (Google Cloud Platform), Docker

Engineering Experience

Deutsche Bank, Cary, NC – **Summer Software Engineer**	June 2023 – August 2023

- I actively collaborated as a key member of a cross-functional team to enhance our payment infrastructure.
- Pioneered and executed a program using Spring Boot, Java, and Drools API to seamlessly integrate into our existing payment infrastructure.
- Devised and deployed a highly efficient program that swiftly identified discrepancies between payment transactions and return details, significantly improving accuracy and speed in financial data reconciliation.

VCU, Richmond, VA – **ADHD Focus Algorithm Development**	Jan 2022 - May 2022

- Collaborated as a vital member of a 15+ member research team, dedicated to studying ADHD in children, harnessing cutting-edge virtual reality (VR) technology.
- Innovated and engineered a focus algorithm using C, enabling identification of users' attention span and detect inactivity.
- Executed the algorithm seamlessly within the project, leading to precise detection of user inactivity and seamless integration of data into an Excel sheet for subsequent analysis.

Projects

Unveiling ESG Analyst | **Vertex AI, GCP, GitHub, Rest API Endpoints, Python, HTML**
- Executed an AI model using Python and GCP to extract ESG keywords from diverse and unstructured data sources.
- Formulated an intuitive user interface using Python and Jupyter Notebook, amplifying the depth of sustainability analysis, and streamlining more precise reporting for enhanced communication of our findings and insights.

AI Generated CICD Pipelines | **TypeScript, Python, ReactJS, Lang Chain**
- Engaged in the DB Global 24-Hour hackathon hosted at the Cary office, actively tackling the challenge of automating CICD Pipeline generation using AI.
- Seamlessly incorporated the OpenAI API to create pipelines tailored to user input and skillfully crafted the user interface (UI) for displaying the generated output.

Online Portfolio Website | **JavaScript, HTML, CSS, GitHub Pages, Google Domains**
- Developed and created a dynamic online portfolio using HTML and CSS, featuring my skills, projects, and contact details. Integrated user-friendly navigation elements and ensured responsiveness and accessibility.
- Acquired and safeguarded a domain name using Google Domains and deployed the website using GitHub Pages. Ensured the website was responsive and accessible, following best practices in web design and development.

Relevant Work Experience

Virginia Commonwealth University, Richmond, VA - *Support Technician II*	Sept 2021 – Present

- Implemented the Cherwell ticketing system to manage and escalate tickets to the appropriate team, improving workflow efficiency and reducing response time.
- Consistently meet or exceed project rates, resolving technical issues in a timely and efficient manner while maintaining high standards of quality.

Leadership, Student Organizations, Awards

- **Leader**, VCU Hackathon — 2023
- **Public Relations**, SHPE (Society of Hispanic Professional Engineers) — 2022 – Present
- **Team Member,** DB Global 24-Hour Hackathon 2nd place & Audience Choice Award — 2023

FUN FACT: I enjoy collecting computer keyboards.