Michael Allen Zulueta Dacanay

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EDUCATION
North Carolina State University, **B.S. in Computer Science**, Minors: Statistics and Business Entrepreneurship
GPA: 3.78/4 | Graduation date: Dec 2023, **M.S. in Computer Science** in May 2024

SKILLS and CERTIFICATIONS
- **Languages**: Java, Python, Javascript/Typescript, C/C++, SQL, HTML/CSS, Golang, PHP, SAS, R, Ruby
- **Frameworks/Libraries**: Angular, React, Flutter, Flask, NodeJS, Spring Boot, Bootstrap, Django, Rails
- **Technologies**: AWS (S3, EC2, Cloudfront, Boto3), Azure, Git, Docker, Jenkins, MySQL, MongoDB, Bitbucket, Jira
- **Certifications**: Azure Fundamentals (AZ-900, 2021), SAS Base Programming Specialist (2021)

EMPLOYMENT and INTERNSHIPS
Cloud Engineer Intern (Enterprise Cloud Computing), Fidelity Investments – Durham, NC (Summer 2022)
- Assisted in the implementation of the strategic shift of CI/CD pipelines from Concourse to **Jenkins Core**, automating database migrations to the cloud quickly and securely
- Created **Python** automated testing suites for pipelines, reducing time of verification from **2-3 hours** to **5 mins or less**
- Won **1st prize** in the internal Fidelity hackathon, No-Code Challenge – used **Voiceflow and OpenAI GPT-3** machine learning model to build a chatbot to provide simple summaries and query financial documents

Software Engineer Intern (Personal Income), Fidelity Investments – Research Triangle Park, NC (Summer 2021)
- Maintained and upgraded a web application for internal recognition of outstanding coworkers during the conclusion of the scrum sprint; using **Angular, Spring Boot, and PostgreSQL**
- Designed wireframes with Figma and solicited feedback from stakeholders following the Agile methodology

High Performance Computing Intern, Office of Information Technology – NC State University (July 2020 - Dec. 2020)
- Support the high performance computing resources at the university

Systems Engineer Intern (Enterprise Technology), Fidelity Investments – Research Triangle Park, NC (Summer 2020)
- Built web dashboard using Angular and Flask to monitor EC2 image hydration status, which must be rehydrated with a fresh Fidelity-approved image every so often
- Utilized **Boto3**, an AWS Python SDK, to configure and read EC2, IAM roles, Security Token Service
- Implemented HTTP requests to ServiceNow API for information on the team that owns a given EC2 instance
- Redesigned AutoSys console from PERL to a modern tech stack of **Angular, Flask, Oracle DB**

Coach, theCoderSchool – Raleigh, NC (July 2018 - December 2020)
- Taught elementary and middle school students basics of coding and foundational computer science concepts

ACTIVITIES
- Selected as one of 30 **Caldwell Fellows**, a competitive merit scholarship program with a focus on servant leadership, reflection, and experiential learning
  - **Habitat for Humanity** (H4H) Service Learning Team: Utilized **ArcGIS** to map the racial inequalities in income and housing ownership in Wake/Johnston County. The data was used by H4H to **back legislation at the state government to pass funding** for reducing home ownership inequality.
  - Global Training Initiative Cultural Competence certificate
- HackDuke **3rd Place Solving Inequality** Category (2022), NC State Datathon **Most Insightful** (2022), Make-A-Thon **Sustainable Solutions Awards First Place** (2021), HackHarvard participant (2022)
- **HackNCSU Organizer** – Logistics + Sponsorships/Outreach + Finance Director (2022 – 2023); Society of Asian Scientists and Engineers (SASE) **Professional Development Project Manager**
- Scholars Program, 1887 Fellows Program, Leadership Development Program, Society of Sales Engineers