ANA MANCINI

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EDUCATION

Virginia Tech   Blacksburg, VA
BS Computer Science, Human-Computer Interaction Minor *GPA: 3.3*   Fall 2019 - May 2023

WORK EXPERIENCE

ByteRatio   Leesburg, VA
Software Engineer Intern   June 2022 - August 2022

- Developed Python, Java, and SQL based application with team of interns
- Went through the coding/testing cycle for multiple versions of our application
- Provided leadership and direction to software deployments on an application used within the company
- Executed SQL scripts to manage database entries
- Managed an AWS RDS database that manages data output

Virginia Tech Center for Enhancement of Engineering Diversity   Blacksburg, VA
Undergraduate Teaching Assistant   August 2021 - Present

- Led engaged classes for a freshman/sophomore-level Engineering Education class
- Created lesson plans
- Spent 10-15 hours a week grading assignments and giving feedback to students

Virginia Tech Center for Enhancement of Engineering Diversity   Blacksburg, VA
Peer Mentor   August 2020 - May 2021

- Led and advised a group of female engineering major freshmen and took them on as mentees
- Met with mentees weekly and guided them through their first months of college
- Provided professional development opportunities and advice to group

SKILLS

Java, Python, Swift, SQL, C, Database management:	Competency
Command Line, GNU Project Debugger, JUnit Testing:	Proficiency
Microsoft Word, PowerPoint, Excel:	Microsoft Office Specialist Certified
Experience with Atlassian products:	Jira, Confluence
Experience with version-control tools:	Git and BitBucket
UI/UX Design Tools:	Figma, Marvel

PROJECTS

ByteRatio Available Contracts Program, 'Chi' *Java, Python, React, AWS RDS/Lambda*
Compiles dozens of excel files provided by primary government contractors to subcontractor company and creates a web-based front-end with its code running remotely on AWS Lambda and data stored in AWS RDS. Program is used by ByteRatio employees to view available contracts to apply to when needed.

Car Catalog *Swift*
A universal app that runs on all iPhone and iPad mobile devices that displays data of a car based on brand or model and includes a calculator that will compute a car loan's interest over an input amount of years.

Binary Bomb *C, GDB*
Defused multiple "bomb" phases of a C program that consists of having to identify strings within assembly code.

ACTIVITIES & HONORS

Computer Science Research Consortium Scholarship   Computer Science Resources Consortium
This scholarship has been established to recognize outstanding full-time students enrolled in computer science that have achieved positive academic records.   Fall 2022

C. Bascom Slemp Scholarship   University of Virginia's College at Wise
Yearly renewable scholarship awarded to students recognized for excelling in academics and involvement in their community.   December 2018

Society of Asian Scientists and Engineers at Virginia Tech
Public Relations Chair/Member   Fall 2020 - Present