Ty Aaron Ponzo

✉ ty.ponzo@utdallas.edu in linkedin.com/in/ty-ponzo ⌗ github.com/tponzo 📞 817-559-3937

Education

Master's of Science in Computer Science	Expected: May 2023
Bachelor's of Science in Computer Science	Expected: May 2022
The University of Texas at Dallas	GPA: 3.83/4.00

Relevant coursework: Computer Networks, Software Engineering, Machine Learning, Adv. Algorithm Design and Analysis (**Java**), Operating System Concepts (**C**), Database Design, Computer Architecture (MIPS), Automata Theory, Probability & Statistics

Work Experience

Software Engineering Intern – *Ethos Group*   Summer 2020 – Summer 2021
- Created and improved features within full-stack applications that car dealerships nationwide utilize for streamlining the sale of car products, managing deal contracts, and price calculations
- Developed web applications using **Angular** with **Bootstrap** and **NgRx** frameworks, REST APIs with **.NET**, and Microsoft SQL Servers with **SQL**
- Utilized **CI/CD** with **Azure DevOps** for continuous code testing, reviewing, and releasing
- Mentored incoming interns regarding workflow and acted as team lead for technical training
- Collaborated with a team of 7 using **SCRUM/AGILE** principles to develop and deliver software products

Projects & Activities

Digital Portfolio – *tponzo.github.io*   Summer 2021
- Created a web application using **Angular** and **Bootstrap** to showcase my personal projects
- Deployed and maintained through **GitHub Pages**

Secure App – *Association for Computing Machinery*   Spring 2020
- Led design and development of a mobile application using **Flutter** that generates unique and memorable passwords based on user input and web-scraping
- Focused on back-end using **Firebase** to create, store, and share user data
- Coordinated team of 3 by setting up frameworks, delegating tasks, and setting timelines

Match.Comet App – *Hack UTD*   Fall 2019
- Developed a mobile application using Android Studio (**Java**) that connected users to local social events
- Implemented local data storage for saving and updating user preferences
- Coordinated team of 4 by designating work and managing team members through **GitHub**

Integral Calculator – *Computer Science II*   Fall 2019
- Developed a calculator to compute definite and indefinite integrals using **C++**
- Incorporated data structures (binary tree, hashmap, etc.) to maximize runtime efficiency

Lead Programmer – *Robotics (VEX EDR)*   Fall 2017 – Spring 2019
- Developed code for competition robots to perform controlled and automated tasks
- Coordinated with engineers, distributed work, and mentored underclassmen in RobotC programming
- Collaborated with team of 8 for the designing and building process

Speaker – *STEM Outreach*   Fall 2018 – Spring 2019
- Presented in local high schools and elementary schools to raise awareness of opportunities within STEM fields
- Designed presentations to include personal projects such as interactive games, simple robots, and data manipulation to demonstrate different applications of coding-based STEM courses

Skills

Programming Languages: Java, Python, C++, TypeScript, HTML, CSS, C, C#, SQL
Software/Frameworks: Git/GitHub, .NET, Angular, NgRx, Bootstrap, Azure DevOps, Firebase, Flutter, Android Studio