Tyler Scott Jarboe

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Work Experience

Junior Engineer - Java/Python
April 2024 - Feb 2026

GlobalLogic via Bravens Inc.

- Developed and optimized Python scripts to enhance LLM (Large Language Model) API coding capabilities at 97% effectiveness.
- Collaborated with engineering teams to identify and address edge cases, ensuring robust, and high-quality outputs.
- Mentored new hires, providing guidance to accelerate their understanding of LLM evaluation processes and coding optimization strategies.
- Increased efficiency of model responses by 5% and factuality by over 20%.

Freelance Developer
May 2023 - Jan 2024

JJ Insurance | Other

- Developed a Microsoft Forms desktop application using C# and .NET Framework 4.0 to accelerate policy creation, reducing processing time from one week to under an hour.
- Designed a local JSON-based storage system to integrate with the client's existing shared drive, enabling seamless data access and collaboration without requiring an external database.
- Automated document generation using the OpenXML package, ensuring accurate and consistent policy documents.
- Maintained direct client communication throughout the development lifecycle, iterating on feedback, resolving bugs post-launch, and ensuring long-term stability.
- Built responsive Angular web applications utilizing Bootstrap to improve client workflows and usability.
- Developed and deployed Spring Boot REST APIs to power backend services, enhancing application functionality.

Research Position | Lead Developer
May 2021 - Aug 2021

Florida Polytechnic University

- Developed an iOS application using Swift and Xcode for rhinoplasty surgery consultations as part of a research initiative.
- Engineered a 3D modeling prototype utilizing the Bellus3D framework to visualize surgical outcomes based on patient scans.
- Implemented functionality to upload and process 3D-scanned facial images, aiding in data collection for future research.

Senior Design Project | Lead Developer
Aug 2022 - May 2023

MARVL Learning and USF

- Led, developed, and evaluated NLP models using TensorFlow in Python, exploring the feasibility of transformers like GPT in assisting English for Speakers of Other Languages (ESOL) education.
- Engineered a RESTful API with C# and .NET 6.0 to integrate with AWS Kinesis for real-time image recognition and sentiment analysis to assess lesson effectiveness.
- Used Puppeteer (via Python integration) to automate web interactions for large-scale data collection, then cleaned and structured the scraped data for analysis using Numpy and Pandas.

Education

Bachelor of Computer Science

Florida Polytechnic University - 4700 Research Way, Lakeland, FL 33805

Skills

Java, C#.Net Framework, Unity, JavaScript, Typescript, Angular, React, C, C++, ExpressJS, NodeJS, SpringBoot,

Git, SQL, MySQL, Swift, Docker, NoSQL, React, Python, PostgreSQL

HTML, HTML5, CSS, Swift, Linux, Bash, REST, XML, YAML

Windows, Robotics, Android, iOS, Word, Excel, PowerPoint, Photoshop