Liam McBride

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SUMMARY

Software Developer with multiple interests within the field, including: mobile and web development, full stack development, and game development. A team player with experience in effective communication, close cross-team collaboration, and Scrum methodologies.

SKILLS

- **Languages and Technologies:** Python, Java, JavaScript, C#, C, eBPF, Swift | React, HTML, CSS. Git, SQL, Django, Docker, Unity, Blender.
- **Soft Skills:** Creativity, teamwork, communication, flexibility, leadership, and listening.

EXPERIENCE

Computer Systems Undergraduate Researcher   **May. 2023 – Sept. 2023**
Virginia Tech   *Blacksburg, VA*
- Developing **eBPF** tests for multiple programs to ensure validity between kernel modifications.
- Researching **linux kernel development**, **eBPF**, and the trade-offs between expressive and secure code.

Software Engineer Intern   **Sept. 2021 – Aug. 2022**
Exelaration, Rhythm Energy   *Blacksburg, VA and Cary, NC*
- Made Frontend improvements on the customer support portal in **React** and **Typescript**, working closely with Design and QA to make impactful changes for the usability of the system and customer satisfaction.
- Created critical patches for the Backend to mitigate issues. Used **Python** and **Django REST API**.
- Worked in pair development teams to quickly investigate and create collaborative solutions to issues.

Customer Support Agent   **May. 2019 – Aug. 2019**
Ubisoft   *Cary, NC*
- Supported Ubisoft customers by using technical knowledge to figure out and implement a solution.
- Investigated and **verified account ownership**, re-obtained access for users in cases of lost or hijacked accounts.
- Successfully **elevated more critical bugs** to devs and helped to identify early repeat issues.
- Was in the **top percentage (10%) of customer support agents** ranked by customer satisfaction.

PROJECTS

Job Hero iOS App   **Feb. 2023 - May. 2023**
- Planned, designed, and developed an **iOS** mobile application that would provide users with the ability to track applications, favorite and save jobs, as well as craft multiple resumes with a modular mobile interface.
- Utilized **Balsamiq** wireframes to design, test, and increase cohesiveness and clarity for the user interface.
- Used **Swift**, **Xcode**, and **GitHub** to build out the application in a collaborative environment.
  - Created the interaction between the app and three **APIs**. Responsible for **data retrieval and updates**.
  - Translated the user interface from **Balsamiq** to **Swift**, ensuring an effective display of information.
  - Implemented app authentication using **FaceID** and passwords to ensure safe user access.
  - Managed the application database with efficient queries and proper cleaning/storing/refreshing of data.

EDUCATION

Virginia Tech   **Expected May. 2024**
Bachelor, Computer Science, 3.19 GPA, Coursework focus on frontend development   *Blacksburg, VA*
Clubs and Activities
Theta Tau (Professional Engineering Fraternity). Holds Care Chair position, responsible for weekly update of events, holding office hours, and mental health programming