

Torrin Bates

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Education

Michigan State University Bachelor of Computer Science

Aug 2016 - Apr 2020

• **Courses:** OOP, Algorithms, Computer Systems, Data Structures, Biometrics, Database Systems, Big Data Analysis, Intro to A.I.

Skills

Languages: C#, C++, Python, Javascript

Technologies: React.js, Redux, PostgreSQL, AWS, Firebase, Git, MVVM Architecture, Azure DevOps

Professional Experience

Promess Inc.

Brighton, MI

Software Engineer - Fullstack

May 2020 – Present

- Independently designed and implemented key software features used in marketing efforts such as trade show displays and promotional videos (C# and C++).
- Architect comprehensive and reusable React.js components for IoT web app (React and Redux).
- Participated in software and system design meetings for future products.
- Maintained flagship software suite by fixing bugs and refactoring code, both front-end and embedded back-end (C# and C++).
- Put 2x more features and bug fixes into production compared to every engineer on my team.
- Emphasized and followed DRY, SOLID & YAGNI coding principles.
- Interfaced with customers, team members and other departments to resolve and prevent bugs as well as answer technical questions.

Software Engineering Intern – Front End

May 2019 – May 2020

- Led development of an internal tool to asynchronously test and diagnose networking issues between front-end and back-end easing the technical burden required of field engineers.
- Implemented continuous integration (CI/CD) pipeline via Azure DevOps.
- Fixed front-end bugs on the flagship software suite.

Ford & Michigan State University

East Lansing, MI

Capstone Experience - AR Owner's Manual

Jan 2020 – Apr 2020

- Independently designed and implemented internal web portal utilizing serverless architecture to allow non-technical employees to enter and modify the data consumed by the AR iOS application (AWS Amplify, Cognito, API Gateway, RDS, S3).
- Built reusable UI components in React.js for employee web portal.
- Co-designed database schema and file bin implementation.

Projects

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- Configurable windows native app to send message to an endpoint in a network (C#, WPF).
 - Portfolio websites for myself and a friend (React.js, Redux, JS, CSS, HTML).
 - Face Image matcher (Python).