Brandon Ma

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Linkedin: linkedin.com/in/brandon-y-ma   **Github:** https://github.com/maybemaby

Education

University of California Irvine, Irvine, CA   June 2020
Bachelor of Science, Materials Science and Engineering

Projects

SetMatch Tennis Partner Finder

ASP.Net Core API, React.js, Azure AD B2C

- Integration with third party services like Azure AD B2C for authentication and New Relic for monitoring.
- N-Tier architecture backend implementation for separating data access layer, API routing, and services.
- React SPA with modern practices for routing, hooks, context, and utilizing Typescript.

Python Investment Dashboard & Webserver

- Developed Python script to automate daily login and retrieving csv data from client account.
- Transformed and parsed csv data to be imported into SQL database and retrievable by the website.
- Deployed application and database on Ubuntu Linux cloud server.
- Display charts using Javascript for quickly understanding performance and metrics by the client.

Experience

KLA Tencor, San Jose, CA   May 2021 - Current
Associate Test Engineer 2

- Created Python script to import data into quality systems, saving up to 26 hours of work annually.
- Coordinated with design engineers to decrease material rejection rate and develop new production processes.
- Onboard and train new team members during production ramp up.
- Maintained production rates and cycle times during material shortages.

Skills

Dev Tools: Git, Github, Docker
Programming Languages: Python, C#, Javascript, Typescript, HTML5, CSS3
Frameworks and Libraries: React.js, React Router, Next.js, Express.js, ASP.NET Core