

Michael Avendano

Software Engineer

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github.com/avenmia

Skills

Languages	C#, TypeScript, JavaScript, Python
Technologies	Vue.js, React.js, Node.js, ASP.NET Core, CosmosDB, MSSQL Server, Docker
Coding Styles	Coding by Intention, Test Driven Development, Object Oriented Programming
Version Control	Subversion, Git
Soft Skills	Strong Work Ethic, Self-Motivated, Communication, Collaboration

Work Experience

Software Engineer

01-2019 to Present

Pangaea Information Technology

- Created RESTful APIs in ASP.NET Core, ASP.NET, and Node.js with Azure Functions
- Worked as a front-end developer with TypeScript & React.js
- Worked as a back end developer using C# with ASP.NET Core and SQL Server.
- Used Test Driven Development to implement features.
- Wrote robust test suites and maintained code coverage

Research Assistant

06-2018 to 12-2019

Electronic Visualization Laboratory at University of Illinois at Chicago

- Gained experience using Node.js and Express.js to handle data requests primarily utilizing WebSockets.
- Utilized Mongoose to interface with MongoDB to create schemas and store live data efficiently.
- Used Vue.js to create intuitive front-end interfaces to interact with remote devices.
- Worked with various APIs for devices such as microphones and Z-Wave devices.

Teaching Assistant

08-2017 to 12-2018

University of Illinois at Chicago

- Explained concepts such as graphs, maps, trees, sorting algorithms, run-time analysis to students.
- Analyzed other students' code to help debug and lead them to the appropriate solution.
- Maintained consistent office hours to ensure that students understood the concepts being taught.

Education

University of Illinois at Chicago

01-2017 to 12-2018

Degree	Bachelor of Science
Major	Computer Science

University of Illinois at Chicago

08-2012 to 05-2015

Degree	Bachelor of Science
Major	Physics

Professional Associations, Activities, Achievements

- Association for Computer Machinery
- 2nd Place Team in UIC Google Games
- 1st Place in UIC 100 Level Hackathon