# Michael Avendano

Software Engineer

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## Skills

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| 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 12-2018

*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

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| Degree | Bachelor of Science |
| Major | Computer Science |

### University of Illinois at Chicago                        08-2012 to 05-2015

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|---|---|
| Degree | Bachelor of Science |
| Major | Physics |

## Professional Associations, Activities, Achievements

- Association for Computer Machinery
- 2nd Place Team in UIC Google Games
- CompTIA Security+ Certified