

Zeke Tan

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WORK EXPERIENCE

Microstrategy

Aug 2016 – Present

Software Engineer | Tysons, VA

- Currently building Microstrategy's data visualization platform using PlotlyJS and D3.js
- Developed and implemented the automatic axis rotation and truncation process
- Designed the graph matrix DOM structure and improved graph rendering performance for large data (>100k data points) by more than 50%
- Wrote unit tests with MochaJS
- Ran scrum ceremonies and managed team capacity as a part-time scrum master

Metova

Aug 2015 – May 2016

Intern | Nashville, TN

- Led a team of four to develop an indoor positioning system using Java for the Android app, NodeJS for the web application and MongoDB for the database

SMAC Project, Vanderbilt STORM LAB

Mar 2015 – Dec 2015

Software Developer | Nashville, TN

- Built a chrome extension web IDE in JavaScript which allows users to input code to program a mini-robot

Vanderbilt University

Aug 2014 – Aug 2015

CS101 Teaching Assistant | Nashville, TN

- Graded weekly assignments for a Java-based course of 200 students
- Wrote and graded quarter-semester exams, held office hours to help students

PROJECTS

Microstrategy Hackathon Project

Dec 2016

Developed a feature to record and replay user actions across different browsers for an internal company hackathon

Microstrategy Hackathon 2016: Placed top 12 out of more than 70 teams

Guess the Card

Dec 2017

Built the server for a Guess Who inspired Android game using NodeJS and socket.io and hosted it on Heroku

Cubey's Dungeon

Oct 2015

Made an augmented-reality maze game in C# with Unity3D, incorporating Leap Motion technology and Project Tango

Vanderbilt Hackathon 2015: Won First Prize, Won Best Use of Project Tango

EDUCATION

Vanderbilt University, Nashville TN

May 2016

BE in Computer Engineering

SKILLS

Languages: JavaScript, HTML, CSS, Java, Python, C++, C#

Technologies: D3.js, NodeJS, ReactJS, MochaJS, Android, Unity3D