**JACOB ZOHDI**

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**Certificates**

Artificial Intelligence (AI) - ColumbiaX - CSMM.101x

Introduction to ReactJS – Microsoft – DEV282x

Introduction to Computer Science - HarvardX - CS50x

**Skills**

Version Control, Full-Stack Web Development,

Data-Engineering, Web-Scraping, MVC, Database design, Scalable programming, Machine Learning

**Languages**

Java, C, C#, Python, Javascript, SQL, HTML5, CSS3

**Frameworks/Libraries/Environments**

Flask, JQuery, Bootstrap, React, ASP.NET, Node.js

**Databases**

SQL, PostgreSQL, MongoDB, Azure Blob

**Tools**

Git/Github/Kraken, Postman, Heroku, Azure, Codepen

**Education**

**BS. Computer Science, University of Maryland College Park** **Sep 2018 – May 2021**

*Major GPA – 4.0*

* UMD Hackathon 2019 ( team: UMD Ticket Exchange )

**BS. Biological Sciences, University of Maryland College Park** **Sep 2012 – May 2016**

*Overall GPA – 3.3*

* American Medical Student Association 2013

**Projects**

**Canvas Quotes -** <https://jzohdi.github.io/Canvas-Quotes/>

* Setup own API server for random quote generator, and pure CSS infinite quotes background.
* Return new quote on user prompt, which can then be shared on social media using Twitter API.
* On each call of random, a new thread scrapes Wikiquote for new quotes and adds to database.

**SVM Visualizer -** <https://j-zohdi.herokuapp.com/svm_visualizer>

* 2-Dimension and 3-Dimension Support Vector Machine visualizer, using sci-kit learn python library.
* Classify space based on input training data, iterating over possible parameters finding match with least error.
* Select from list of SVM classifiers to train using sample or input data sets. Renders the prediction space using Plotly.js within the training data bounds

**See More:** <https://jzohdi.github.io/Portfolio/>

**Experience**

**Software Engineering Intern, DocuSign**   **Chicago, IL**

*Summer* *2019*

* Paired with small team of product manager, designer and software engineer interns for ground up design and architecture of DocuSign product integration
* Built .NET Core application hosted on azure to perform necessary integration tasks through custom API endpoints
* Developed skills in OOP, C# architecture, OAuth, dependency injection, test case mocking, version control

**Tutor, Coder Kids**  **McLean, VA**

*Jan 2019 – Present*

* Engaged cohorts of 6 to 16 students through 8-week curriculum on a wide range of coding topics.
* Instructed Scratch and Lua for grades K-5th to Raspberry Pi and Mobile App Dev for grades 4th-8th.

**Full Stack Developer, Taco Lindo Logan Township, NJ**

*November 2018 - Present*

* Remotely developing catering web-app New Jersey based restaurant, Taco Lindo, using Flask
* End-to-End user design, and implementation, as well as admin controls
* Optimized for front-end experience, handled security of sensitive information, integrated database and error logging with MongoDB.