**JACOB ZOHDI** 8514 Window Latch Way, Columbia MD, 21045 | (443)-604-6791 | [jzohdi@terpmail.umd.edu](mailto:jzohdi@terpmail.umd.edu)

# **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

# **Skills**

**Languages:** Java, C, C#, Python, Javascript, SQL, HTML5, CSS3

**Frameworks/Libraries:** Flask, Django, JQuery, Bootstrap, React, ASP.NET

**Databases:** SQL, PostgreSQL, MongoDB, Azure Blob

**Tools:** VSCode, Git/Github/Kraken, Postman, Heroku, Azure, Eclipse, Anaconda, Codepen

**Certificates:** Artificial Intelligence (AI) - ColumbiaX - CSMM.101x | Introduction to Computer Science - HarvardX - CS50x

# **Projects**

**Personal Website:** <https://jzohdi.github.io/Portfolio/>

**Taco Lindo Catering** ( <https://taco-lindo-catering.herokuapp.com/> )

* Designed Full-Stack web-app for Taco Lindo, a restaurant in southern New Jersey, to handle catering orders.
* Integrated relational database with endpoint security while optimizing front-end experience.
* End-to-End user design, and implementation, as well as admin features.

**Canvas Quotes** ( <https://jzohdi.github.io/Canvas-Quotes/> , <https://j-zohdi.herokuapp.com/get_quotes>)

* Pure css infinite looping background of quotes
* Setup own API server for random quote generator, quotes are scraped from Wikiquote and stored in database. On each call of random, a thread is started that scrapes more quotes and adds to database if not already present.

**Tunnel Game** (  <https://jzohdi.github.io/tunnel_game/> )

* Pure in browser Javascript on HTML5 canvas game where user must stay in the tunnel walls moving down the screen.
* Wall object creates next wall just above the screen on entering view and deletes self after leaving in order to keep animation frame rate high. Uses Pythagorean formulas for collision detection, and Perlin Noise for tunnel movement.

# **Experience**

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

*June 2019 – Sept* *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.

**Barista, Starbucks** **College Park, MD**

*Jan 2018 – May 2019*

* Maintained fast paced workflow in high demand, high quality environment.
* Communicated effectively with team members and improving client relations.

**Specimen Technician, Quest Diagnostics**  **Chantilly, VA**

*Dec 2016 – Jun 2017*

* Updated minimum of 800 patient samples/day for diagnostics testing.
* Performed diagnostic tests with strict aseptic technique.