

# MICHAEL ZHENG

Glen Burnie, MD · michael.zheng.personal@gmail.com · (443) 630-9700 ·  
<https://michaelzheng1.github.io/website/>

## EDUCATION

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**University of Maryland, College Park**  
BS Computer Science

College Park, MD  
September 2014 - December 2019

## EXPERIENCE

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**Tier 1 Consulting Group**  
*Junior Programmer Analyst*

Columbia, MD  
January 2020 - Present

- Created a base infrastructure with Terraform to manage Azure Databricks for processing and transforming data.
- Addressed regular production bugs and improved throughput in existing React applications using Jira to prioritize requirements.
- Created a clean ETL process to transform raw data from CMS (Centers for Medicare & Medicaid Services) federal agency and store it to Azure cloud storage.
- Assisted in the deployment of applications with Kubernetes in biweekly sprints by building, tagging, and pushing docker images to the Azure container registry.

**Groove Commerce**  
*Web Development Intern*

Baltimore, MD  
August 2019 - November 2019

- Cooperated closely with marketing and designer interns in improving the usability of HubShop.ly interface (an e-commerce application).
- Handled UI/UX development using React, CSS, and Bootstrap for various features of a web application such as mobile responsiveness.

**U.S. Army Reserve - 392nd Expeditionary Signal Battalion HHC**  
*Sergeant 94F Computer/Detection Systems Repairer*

Baltimore, MD  
January 2016 - Present

- Conducted monthly status report of signal pacing items (JNN, CPN, SNAP, etc) with senior-level management.
- Instructed subordinates and supervisors by providing technical guidance on signal equipment faults.
- Led and collaborated with others to complete time-demanding tasks.

## SKILLS

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Programming Languages: Java, React, Javascript, Golang, CSS  
Tools and Technologies: Docker, Kubernetes, AWS, MongoDB, Azure, Terraform

## PROJECTS

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**Ravenous React, Github Actions**

<https://github.com/michaelzheng1/ravenous>

A SPA (Single page application) to search the best match and highest-rated restaurant with Yelp API. Includes a schedule GitHub Action to audit any vulnerabilities in the dependencies configured in the application.

**BitTorrent Client Java**

<https://github.com/michaelzheng1/bittorrent>

A BitTorrent client from scratch that gathers/creates TCP connection with peers from the tracker in the torrent file. Able to interoperate with commercial/open-source BitTorrent clients.