

# MICHAEL ZHENG

<https://www.linkedin.com/in/michael-zheng-77937013b/> · <https://github.com/michaelzheng1>

## EDUCATION

---

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

College Park, MD  
September 2014 - December 2019

## EXPERIENCE

---

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

Columbia, MD  
January 2019 - Present

- Created a base infrastructure with Terraform to manage Azure Databricks for processing and transforming data.
- Implemented Redis caching system that reduces the overall time to fetch data from the server by 25% and eliminated duplication of requests.
- Addressed regular production bugs and improved throughput in existing React applications using Jira to prioritize requirements.
- Integrated Cypress for end-to-end testing to ensure new functionality does not break previously develop features.

**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**  
*94F Computer/Detection Systems Repairer*

Baltimore, MD  
January 2016 - Present

- Installed, fixed, and operated night vision devices, chemical agent detectors/monitors, and computer-off-the-self (COTS) equipment.
- Provided documentation and assistance to create a work order for signal equipment faults.
- Led and collaborated with others to complete time-demanding tasks.

## SKILLS

---

|                         |  |
|-------------------------|--|
| Programming Languages:  | Java, React, Javascript, Golang, CSS               |
| Tools and Technologies: | Docker, Kubernetes, AWS, MongoDB, Azure, Terraform |
| Certification:          | Secret Clearance                                   |

## PROJECTS

---

**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.