

# David Zhao

GA TECH c/o DAVID ZHAO™  
"RESUME"  
Atlanta, Georgia USA  
c. 2019

## EDUCATION

**Georgia Institute of Technology** Aug 2016 – Dec 2019  
*B.S. Computer Science* Atlanta, GA

- > Concentration in Artificial Intelligence and Networking
- > GPA: 4.0/4.0
- > Relevant Coursework:
  - / *Data Structures and Algorithms*
  - / *Design and Analysis of Algorithms*
  - / *Computer Organization and Programming*
  - / *Artificial Intelligence*
  - / *Machine Learning*
  - / *Systems and Networks*
  - / *Computer Networking*
  - / *Objects and Design*
  - / *Robotics and Perception*
  - / *Relational Databases and Database Systems*
  - / *Information Security*

## EXPERIENCE

**Nike, Inc.** May 2019 – August 2019  
*Software Engineering Intern* Beaverton, OR

- > Created an open-source, cross-platform command line interface for Cerberus, a secure property store for cloud applications, using GoLang
- > Extended CLI functionality to include all Cerberus API commands, bash autocompletion, Homebrew installation, STS authentication, and a CI/CD pipeline
- > Upgraded Cerberus's Archaius and Spring Boot clients to support the newest version of the Java client

**NCR Corporation** May 2018 – August 2018  
*Software Engineering Intern* Atlanta, GA

- > Developed data consolidation tool to increase incident support speed and enhance troubleshooting client issues – used by quality assurance and technical support personnel
- > Utilized Apache CXF, JAXB API, and Spring Web Services to create a lightweight command line debugging tool for BillPay Service vendors
- > Achieved 95% code coverage of Fiserv-Zelle implementation APIs using Mockito and PowerMock

**UPS Supply Chain Solutions** May 2017 – August 2017  
*Information Technology Intern* Alpharetta, GA

- > Formalized collaborative process documentation to allow team members to take on additional responsibilities in new business implementation
- > Created configuration training for SAP, GWS, WEOS, and TTCS environments to provide team members the ability to work in all 4 application areas effectively
- > Developed Android app to aid in automating warehouse cycle counting by scanning QR codes with a DJI drone

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## OBJECTIVE

To obtain a full-time software engineering role in 2020

## SKILLS

**Proficient:** Java, Python, C, Go, SQL, Android, Bash/shell scripting  
**Familiar:** HTML, CSS, C++, Spring, Jenkins, Docker

## PROJECTS

**CurveFinder** Spring 2019  
*Python Developer*

- > Python program that automatically analyzes interstate highways and state routes to determine the location of curves and degree of curvature
- > Wrote a modified Kasa algorithm, along with smoothing and bearing angle algorithms, to detect curves
- > Results of the algorithms are displayed in a JavaScript visualizer

**NYC Rat Tracker** Fall 2017  
*Java Developer*

- > Mobile application that models and tracks rodent sightings within NYC to reduce the spread of disease and community damage
- > Used Google Maps API & Firebase Realtime Database/Authentication
- > Resulted in an Android app with multiple user/admin login, advanced search, and rat reporting functionality

**DroneScan** Summer 2017  
*Android Developer*

- > Android application that uses real time image scanning to detect barcodes and conduct automated warehouse cycle counting
- > Used Java, Google Mobile Vision API, and DJI Mobile SDK
- > Resulted in a mobile app that analyzes and reacts to a live feed from an autonomous drone