

## Carl Guan

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### OBJECTIVE:

To obtain a professional position in software development utilizing experience, technical expertise, and problem solving skills; currently interested in full stack development and machine learning.

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### WORK EXPERIENCE:

#### Tata Consultancy Services

Software Developer at AIG (April. 2019 – Present)

- Automate remediation of security flaws in source code including cross-site scripting, SQL and cross-site request forgery using vulnerability-specific flaw patterns
- Create and use SpringBoot and MongoDB application to facilitate email alerts to team members

Software Developer at Ortho Clinical Diagnostics (Aug. 2018 – April. 2019)

- Communicate regularly with Business Relationship Managers to clarify demands/deadlines of customer and update status of projects
- Resolve Ortho Valuator website browser-specific compatibility bugs in ASP.NET including: high-latency; JavaScript failure; undesirable CSS style effects

Software Developer at Johnson & Johnson (Sept. 2017 – Aug. 2018)

- Write scripts to test curated data to verify or improve the functionality of curation software
- Wrote program to format daily job execution log details into excel files to be organized and readily accessible by management

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### EDUCATION:

*Rutgers University Class of 2017: Bachelor of Science, Computer Science*      **GPA: 3.3**

*Selected Coursework:* Data Structures (Java, Python), Web Applications, Database Applications, Distributed Systems, Computer Systems (C, Unix, MacOSX)

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### PROJECTS:

#### Network

Java application to play against a human player or a computer program, utilizing MinMax algorithm to evaluate the next move that would be most optimal given the current state of the board

#### Chess

Java application that maintains the chess board state with a two-dimensional array with methods for how each specific piece moves and affects the board, game displayed through print statements

#### Song Library

A JavaFX UI application that takes in song information and stores and displays it

#### Uber

A simulation of Uber using JSP and MySql to create a web application which acts as a pseudo-Uber interface for drivers and riders

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### SKILLS/STRENGTHS:

*Coding:* Python, Java, C, C++, Intel 86 Assembly, HTML & CSS, JavaScript

*Databases:* SQL server, Excel, MySQL

*Operating Systems:* Windows, UNIX, MacOSX, CentOS

*Other Skills:* Multithreading, design patterns, and Shell scripts