# CHAOXIN TANG

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## PROJECTS

**XShop(Java, Spring, Mysql, HTML, CSS, Typescript, Angular)**
**Github**:   https://github.com/chaotang1994/fullStack
**YouTube**:   https://www.youtube.com/watch?v=fwAoUqm6-qE&t=112s

- Built an online shopping distributed Web application using a web development stack of **Java, Spring, hibernate, JPA** for the server-side, **Typescript, Angular** for the client-side, **Restful API** for data communication, **Mysql** for the database.
- Implemented User Authentication for login, BCrypt encryption for sensitive user information to ensuring user information is secure.
- Created CRUD functionality for manipulating Products for both Seller(Admin) and Customer.
- Implemented search operation for customers filtering out products easily.

**3D Graphics of Helicopter(C++. openGL)**
**Github**: https://github.com/chaotang1994/Helicopter-in-openGL
**YouTube**: https://www.youtube.com/watch?v=6nNzUG9j63I&t=3s

- Built 3D Helicopter by using Open Graphics Library(**OpenGL**).
- Creating different parts and components of the helicopter with mathematic calculation.
- Using the function of Translate, Scale, Rotated, Matrix, SwapBuffers, Perspective, LightModel, Keyboard, Projection, and Anti-aliasing to achieve animation of the Helicopter
- User can interact with the helicopter for changing of shape, speed, and rotation around an axis by press corresponding key or instructions which provided.

## PROFESSIONAL EXPERIENCE

**INFOSYS LIMITED**
**SOFTWARE ENGINEER(ASSOCIATE)** New York City, NY                                                  2019 –2020

- Worked extensively on Java/J2EE for developing Web and Distributed Applications(server/client) related technologies/environments.
- Developed highly interactive and customized UI's using Single Page Application Web Framework Angular, Bootstrap, TypeScript, HTML5, and CSS3 to improve the functionality of web applications.
- Designing and implementation of multi-layer architecture using web-based Spring framework Spring Boot.
- Worked with Maven for project management, Git for version control, and Log4J for debugging.
- Experience in using Object-Relational Mappings (ORM) technologies such as Hibernate and JPA, and DAO patterns to manipulate the data to/from the MySQL database.
- Knowledge of Object-Oriented Programming (OOP), Analysis and Design (OOAD) concepts.
- Enhanced the quality of code by using frameworks such as JUnit and Mockito to optimized test cases to maximize the success of manual software testing with consistent, thorough approaches.

**ACADEMIC COMPUTING CENTER(ACC) IN QUEENSBOROUGH COMMUNITY COLLEGE(WORK STUDY)** Bayside, NY
2016 – 2017

**COMPUTER LAB TECHNICIAN**

- Maintained skills necessary to diagnose technical issues, devise effective solutions and advise staff on best practices to avoid future difficulties.
- Maintained software specification and hardware equipment function properly, including individualized assistance to students and faculty.
- Collected records of student's performance in the lab in order to improve the learning experience for future needs.
- Worked with the software development team on reported errors and bugs on newly released software and assisted in the deployment of release fixes.

## SKILLS

Ability to perform a detailed analysis of business problems and technical environments | Ability to work in large, collaborative teams to achieve organizational goals |problem-solving | Microsoft Windows system and macOS| Github and Git(version control) | Eclipse | Visual Studio Code | Xcode | Android Studio | Notepad++ and Sublime Text | Dev-C++ | SQL | Software Installation| Analysis | Java | HTML5| CSS3 | Angular8 | Algorithm Implementation | English and Mandarin(Chinese)

## EDUCATION

Queens College Of The City University Of New York
**Bachelor of Science(BS), Computer Science**, Flushing, NY.
CUNY-Dean's Honor List