

JINGQI (JINNY) ZHANG

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GitHub: <https://github.com/surprise777>

SOFTWARE/WEB DEVELOPER

SUMMARY OF QUALIFICATIONS

- Proficient in Java, Python, SQL, Objective-C, HTML, CSS, C, Verilog, React(JavaScript) and Shell
- Solid grasp of programming principles and passion for help people through technology
- Able to design, implement, test, deploy, and refine a large set of integrations (standardized and custom) and internal tools while improving development efficiency
- Trained to find and use the best technologies to add features to products; implement data exchange methods and develop prototypes in collaboration other teams as needed
- Proven ability to work in a fast-paced, agile environment to ensure timely delivery of high-quality, meaningful solutions
- Well-rounded in hardware and software disciplines, coupled with strong hardware and software troubleshooting and debugging skills
- Comfortable working independently, being hands-on and taking ownership of critical product features; well-developed communication, organizational and interpersonal skills
- Trained to work on building large-scale web applications and infrastructure, and creating websites or apps

CORE COMPETENCIES

- Leadership & Project Coordination
- Design & Testing
- Procedures & Compliance
- Quality & Cost
- Computer Science
- Firmware & Software

EDUCATION

Computer Science Specialist, University of Toronto, Toronto, ON

Expected 2021

- Courses: learned React, Java, C, SQL and Python programming, database, UI design and data structure; gained knowledge of Calculus, Linear Algebra, and basic micro and macroeconomics

PROFESSIONAL EXPERIENCE

College Representative, University of International Business & Economics, Toronto, ON

2018 - Present

- Liaise with departments of the university regarding credit transfers; resolve student issues and provide information to ensure student needs were met at all times
- Promote cooperation between different societies and clubs by organizing information sessions

Instructor, Loretto College Residence, Toronto, ON

2017 - Present

- Teach students about Python; simplify concepts in order to enable better comprehension; answer their questions and assign activities to help them understand, which improved their grades

IT Analyst Intern, Ruihua CPAs, Beijing, China

2018

- Assisted with installing and maintaining network/server hardware and operating systems, network security and enterprise networking including support of the IT Help Desk
- Evaluated/recommended technologies to enhance employee productivity and work performance
- Supported the development, implementation deployment and maintenance of all e-commerce applications and financial applications

EXTRACURRICULAR ACTIVITIES

Recognized Study Group Leader, University of Toronto

2018 - 2019

Team Leader – Children and Youth Centre

2018

Programmer, UTADA Programming Club

2017 - 2018

ACADEMIC PROJECTS

Ontario Lease Wizard 2019 (React + CSS + JSON)

- Created and coded a complete web app (backend + frontend + UI) as a streamlined, intuitive and user-interactive interface for landlords and tenants to fill out the Ontario Standard Form Lease for our client: Law & Design CoLab
- Led a group of seven in a team; planned schedule, organized meeting, supervised the coding stream
- Designed the structure and design pattern of our app
- Completed key features like progress bar, side bar, navigation bar, and additional term pages

Food Truck On Campus 2019 (UI Design)

- Designed a web app project as a UI interface for UofT students and food truck owners to order food and line up online
- Came up the project idea ; combined low-fi and hi-fi prototype designer for buyer
- Tech leader and editor for each assignments and project; presentation animation video drawer

Game Box 2018 (JAVA)

- Created and coded a complete android mobile app (backend + frontend + UI) containing three games with many different game complexities
- Led a group of five in a team; planned schedule, organized meeting, administered master repo, supervised the coding stream
- Oversaw frontend classes of the app (except Game2048 and Login/Register parts); design pattern and structure of our app (especially for the frontend parts)
- Designed UI for our app, resulting in a 90% grade on the project

Strategy Game 2017 (PYTHON)

- Completed a Python application (backend) containing two multi-player games with each using two playing strategy (minimax AI strategy)
- Managed the backend coding to archive the project interface; implemented the complex game strategies into game; created two new game structures (coding, testing backend parts); scored 99.4% on project

Fresh Fruit Database 2019 (SQL+JAVA)

- Used SQL + JDBC on PostgreSQL (backend) designing for a pseudo fresh fruit juice factory
- Designed database according to client requirements; designed all relations, queries, and managed structure needed in database storage
- Completed backend coding to accomplish the project requirements; performed testing on backend parts
- Achieved a 100% on the project

Rhythm Studio 2018 (Verilog)

- Created a complete Verilog music rhythm two-player game (backend + frontend + UI) on DE1_SoC Board; designed rhythm game with partner (including game complexity, game state, game strategy, score calculations, etc.)
- Handled the backend part of game and frontend part of score display; awarded 100% project

Working Memory Test 2015 (Objective-C)

- Completed mobile app (backend + frontend + UI) on iOS platform to test and get data for paper “Working Memory Sensitivity Analysis - An Empirical Study from Computer Perspective”
- Developed the design pattern and structure of the app (full-stack); coded whole app (including designing game, coding, testing frontend and backend parts)
- Designed UI for app, resulting in issuance of the National Top 10 Member for Tsinghua University CS Winter Camp

Personal Website 2016 (HTML+CSS)

- Created entire HTML website including personal bio/introductions