Xuhang Liu

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EDUCATION

Northeastern University, Boston, MA

Master of science in Information Systems   May 2020

Relevant Courses: Application Engineering and Development, Web Development, Data Management, Data Science Engineering, Software Quality

Washington State University, Pullman, WA

Bachelor of Science in Applied Mathematics   May 2018

Relevant Courses: Principles of Optimization and Linear Programming, Design and Analysis of Algorithms, Systems Programming, Data science

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TECHNICAL SKILLS

Programming Languages: Java 1.7+, JavaScript, Python, TypeScript, HTML, CSS, CSS3, DOM, Swift, C++, C

Full-stack Technologies: ReactJS, Angular 6+, Node.js, Django, Spring, Hibernate, Bootstrap, MySQL, MongoDB, PostgreSQL
NGINX, GUNICORN

Testing Framework and others: Selenium, UFT, TestNG, Git, GitHub, Bitbucket, Kali Linux

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WORK EXPERIENCE

HireBeat Inc, New York *Full-stack Engineer – Tech Lead*   July 2020 – Present

- Implemented a Django and React framework based SAAS web application by programming JavaScript and Python
- Improved UIUX by using CSS, SCSS, Bootstrap, and Figma design
- Built the video interview and resume matching by using React Redux and APIs with Django APIs that matches the user needs
- Used AWS S3, EC2, and RDS with PostgreSQL, NGINX, and GUNICORN to finalize the backend database and schemas
- GitHub: https://github.com/liuxuhangtc/hire_beat_react_django   Website: https://hirebeat.co

Moyi-Tech, New York   March 2020 – July 2020

Software Developer

- Implemented quantitative platform with Python
- Optimized back-test with various models
- Participated in model searching and learning
- Access with new application ideas

Hangzhou TianYi Smart City Technology Co., Ltd., China   May 2019 – Aug 2019

Full-stack Engineer (Intern)

- Built a Spring MVC framework-based company internal management web application by programming Java, JavaScript, jsp pages, Bootstrap, and Hibernate with MySQL database
- Prevented SQL statement injection attacks using filters like XSS-Filter, named parameters, and Hibernate HQL
- Improved legacy database performance with EverSQL query optimizer, optimized memory and I/O usage, also maintained database stored procedures, schemas, backups, and privileges
- Collaborated with co-workers, members, and outside agencies to enable version control using Git and Bitbucket, also created and managed database reports, visualizations, dashboards, and repeating tasks

JingDeXing Mg-Al Technology Limited, China   July 2012 – Dec 2015

Co-Founder and Business Intelligence Manager
- Managed more than 50 persons team with company processing network and product development by using ERP system and QR code, also analyzed all the data on sales and procurement
- Evaluated business processes, anticipating requirements, uncovering areas for improvement, developing and implementing solutions, also helped to realize the company's purchasing cost reduction by almost **20%** in six months
- Discovered a track for business department by exploring new manufacturing B2B platforms which contributed to leverage at least **30%** increase in marketing promotion

ACADEMIC PROJECTS

Selenium Testing for Amazon   Aug 2019 – Dec 2019
- Automated user registration testing process by programming Selenium test scripts and implementing its embedded annotation functions
- Performed authentication process by providing positive and negative test data sets from excel datasheet
- Generated testing report based on customized test cases using Java IReporter listener and TestNG

Movie World Web Application   Aug 2018 – Dec 2018
- Developed real-time user interface which allows user to query nearest movie theaters based on current location by using HTML, SCSS on Angular framework with Google Map APIs (gLocation)
- Designed MongoDB schemas and implemented RESTful APIs on NodeJS back-end, which allows front-end Angular to communicate with Google Map API (gLocation) and save the data into MongoDB
- Established a Mean stack CRUD web App which allows user to login, search, and collect movies with Angular 6, HTML, SCSS, and TypeScript