Randy Yuan

#410 - 5725 Agronomy Rd, Vancouver B.C. V6T 1L9
778-892-8639 / randy.y.yuan@gmail.com
https://github.com/randyyuan2017
https://www.hackerrank.com/randy_y_yuan

Programming Skills

- **Fields of interest**: System Design, Algorithm Design, Web Development
- **Area of Expertise:** Django, Python, SQL
- **Area of interest:** Redis, Play Framework, Scala, Golang, React, Javascript
- **Experience with:** MEAN stack, Firebase, jQuery, Bash, Java, C++
- **Software**: IntelliJ IDEs, DataGrip and MySQL Workbench, Postman, Selenium, Git
- **Algorithms**: 90+ percentile on HackerRank algorithms section

Work Experiences

Backend Engineer (Full Time)   Oct 2016 - Present
Metaoptima

- Developed data endpoints for clinic and enterprise dashboards **(RESTful API, Django, Python, MySQL, Ajax)**
- Developed data endpoints and frontend UI for internal sales dashboard/key performance indicator dashboard **(Stripe API, Django, Python, MySQL, Jquery, Ajax)**
- Developed social authentication feature on web **(Oauth2, Google/Facebook Oauth API, Python-social-auth)**
- Integrated client relation management system and content-based image retrieval system into company's main product **(Amazon AWS, Hubspot API, Django, Python, Cross-Server Communication)**
- Developed data endpoints for image processing, user management features, and both B2B and B2C payment tracking **(Django, Python)**
- Developed new frontend layout for image processing feature **(jQuery, Javascript)**
- Optimized company's social network system and added cloud image storage mechanism **(Facebook API, Amazon AWS, Django, Python)**
- Developed and maintained company's quality assurance code for UI layer and API layer stress testing and test automation **(Django, Python selenium, Golang)**

Backend Engineer (Contract Based)   July 2016 – Feb 2017
WebDxD

- Developed new content management system for online teaching platform **(KeystoneJS, MongoDB, Javascript)**
- Developed static website for a stock trading firm client **(HTML, CSS, Javascript)**
- Taught students web development basics **(Git, Javascript)**

Randy Yuan

#410 - 5725 Agronomy Rd, Vancouver B.C. V6T 1L9
778-892-8639 / randy.y.yuan@gmail.com
https://github.com/randyyuan2017
https://www.hackerrank.com/randy_y_yuan

Work Experiences Continued

Software Developer – Test Automation (Internship)   Sep 2014 - Apr 2015
IBM Canada
- Developed and maintained tests against the HTTP & UI layers **(Selenium, xPath)**
- Diagnosed performance and stability related issues
- Restructured and visualized the intern training program which significantly reduced the amount of training time required

Personal Projects

Algorithm Collection   Dec 2016 - Present
- Personal project
- Developed algorithms for HackerRank coding problems and stored them on Github
- Topics includes sorting, searching, graph theory and game theory
- **(Python3)**

Team Vision   Sep 2017
- Hackathon project
- Detects drowsy driving using facial recognition
- Handled the machine learning logic and client side logic
- 2017 VSW hackathon 2nd place, most impact award
- **(Python3, Django, OpenCV)**

Dev-Team Introduction Website   June 2016
- Custom template with 3D Multi-layer visual effect
- Visual effects on mouse scroll
- Responsive design that automatically adjust for different screen sizes
- **(Javascript, Jquery and Firebase)**

3D Tetris Game   Jan 2016 – Apr 2016
- School project
- Fully 3D classic Tetris
- **(C++ and OpenGL)**

Education

Mathematics and Computer Science combined Major
Bachelor of Science Degree
Simon Fraser University   Jan 2011 - Aug 2016