Yifan Hu

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E-portfolio: aaaaaaaaaaa

SUMMARY OF QUALIFICATIONS

- Proficient in C, Python, HTML5, CSS, Javascript
- Ability to develop dynamic and interactive website ensuring user-friendly experience
- Working knowledge in Bootstrap, Django and PostgreSQL as evidenced by projects
- Good understanding of software testing with Agile Scrum and Jira
- Fast learner with excellent multi-tasking skills; ability to work under pressure
- Strong communication skills nurtured through rich volunteering experience

PROJECTS

GameHi website (in-progress)   Jan 2020 - present
- Designed the template in Balsamiq and Sneakpeekit for wireframing purpose
- Used Chrome developer tools and Pesticide for layout and general visualization
- Enhanced UI/UX design using Bootstrap library
- Implemented features in media queries to ensure responsiveness and user-friendliness
- Planning to use PostgreSQL as database to facilitate data management
- GitHub link: aaaaaaaaaaaaa

E-portfolio   Dec 2019 - Feb 2020
- Designed a personal E-portfolio website with components of albums, blogs, etc
- Structured the index page in HTML5 and added styles in CSS for render purpose
- Incorporated features (ie. navbar, carousel, jumbotron) from Bootstrap to implement attractive user interface
- GitHub link: aaaaaaaaaaaaa

Permutation algorithm   Oct 2019 - Nov 2019
- Investigated the mathematical principles and computation concepts of permutation for algorithm analysis; compared efficiency of all existing permutation algorithms
- Formulated several efficient algorithms in Racket to generate all permutations and tuples from arbitrary number lists under minimal time

Social Studies Thesis   Sept 2017 - Nov 2018
- Wrote a 5000-word thesis discussing the social and economic implications of a free organ market on the current organ donation system
- Conducted online and offline surveys on 50+ participants; presented the data in pie charts using MS Excel and performed rigorous statistical analysis with detailed report
- Deliver thesis defense to over 100 audiences to explain my findings on the topic

EDUCATION

Candidate for Bachelor of Computer Science, University of Waterloo, Waterloo ON
Relevant Courses: Designing functional programs, Elementary Algorithm Design and Data
Abstraction, Linear Algebra, Calculus

ADDITIONAL EXPERIENCE

Hospital Internship   May 2018 - July 2018
- Performed physical examinations for admitted patients at local rehabilitation center, accumulating basic clinical knowledge and emergency medical practices
- Enhanced communication skills through counseling children at the Pediatric Center
- Demonstrated adaptability for work routine by shadowing doctors on work shifts

Primary School Teacher Assistant   Jan 2017
- Teaching underprivileged students English and Maths at local primary school
- Demonstrated time management and organizational skills by designing and organizing physical activities for PE lesson

AWARD AND SCHOLARSHIPS

- University of Waterloo President's Scholarship of Distinction
- UK Mathematics Trust Senior Gold Medal
- UK Biology Olympiad Senior Gold Medal
- UK Mathematics Trust Hamilton Merit Award