PATIENCE SHYU

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LANGUAGES		FRAMEWORKS		TOOLS	
Java	Javascript	JUnit	AngularJS	git	Selenium
Python	Scheme/Racket	Django	Node.js	Jasmine	Eclipse
C++	HTML/CSS	jQuery	Bootstrap	Docker	IntelliJ
C#				Visual Studio	

EXPERIENCE

SOFTWARE ENGINEERING INTERN: Microsoft, Jun 2017 – Present
- Developing back-end data privacy infrastructure for Microsoft's customer-facing account management portal, http://account.microsoft.com
- Technologies : C#, SCOPE (SQL-like scripting language for data processing), code generation with T4 text templates, Visual Studio

JUNIOR SOFTWARE ENGINEER: Tasktop Technologies, Jan – Aug 2016
- Developed new features for Tasktop's web-based integration platform for leading ALM tools
- Designed and built new UI with a focus on creating an intuitive user experience
- Created and maintained functional verification tests, Selenium UI tests, server and client-side unit tests, performance and endurance tests
- Technologies : Java 8, AngularJS 1.x, HTML/CSS, Docker, Jasmine, Selenium, Eclipse

TEACHING ASSISTANT: University of British Columbia, Sept 2015 – Present

Courses: Data Structures and Algorithms (221), Systematic Program Design (110)
- Run weekly labs to guide students through implementing, testing and debugging various algorithms in C++
- Support students by holding weekly office hours, providing constructive feedback on exam and assignment grading, and monitoring course's online forum

PROJECTS

FIND A RESEARCHER: Sept 2016 – April 2017
- Created a user-friendly, performant search engine for use at UBC's VP Research + International office with aggregated data from crawling existing search tools and internal university databases

MINIJAVA COMPILER: Jan 2016 – Present (CPSC 411 course project)
- Built a compiler for a subset of Java using Java, including a parser, typechecker, instruction selector and optimizer

DINOSAUR DETECTOR: DubHacks '15 finalist
- Implemented in a team of 3 a web application that simulates an online scavenger hunt using image recognition APIs (Clarifai), Firebase, JavaScript and jQuery

EDUCATION

BSc., COMPUTER SCIENCE: University of British Columbia (2014 – 2019)
- Major Entrance Award Recipient ($20,000), UBC Chancellor's Scholar, Dean's Honour List
- Computer Science Tri-Mentoring senior student mentor
- Computer Science Committee for Outreach, Diversity and Equity student representative
- GIRLsmarts4tech workshops, programming activity lead 2016