SERENA GILANI

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EDUCATION

UNIVERSITY OF WASHINGTON
B.S. in Computer Science

- Cumulative GPA: 3.73
- Expected Graduation June 2022
- Interdisciplinary Honors Student

PERSONAL PROJECTS

PERSONAL WEBSITE
August 2020

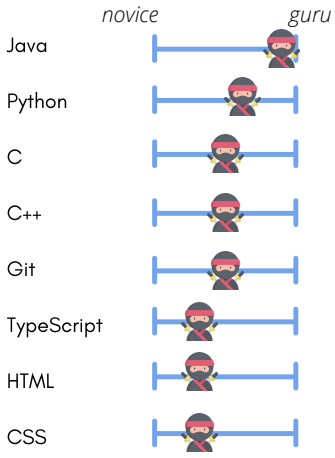
- Created a personal site, hosted at https://serenagilani.github.io, that chronicles the journey of developing a mobile app

BABY NAMES FINDER
January 2018

- Designed a program in Java, using the JSoup Parser, that recommends baby names based on user input criteria

CORE SKILLS

Languages:



Familiar IDEs:

Eclipse

IntelliJ

Visual Studio

Soft Skills:

Active Listener

Team Driven

Result Oriented

Fearless

Innovator

EMPLOYMENT EXPERIENCE

PAUL G ALLEN SCHOOL, UNIVERSITY OF WASHINGTON
Head Teaching Assistant, June 2020 - Present

- Manage a group of 11 TA's and lead weekly staff meetings that introduce new teaching strategies
- Maintain consistent grading standards by audit grading for over 100 students weekly
- Liaise with professor to prepare content for sections and staff meetings

Teaching Assistant, September 2019 - Present

- Lead section 2x per week of 25 students for UW's Programming in Java II that covers fundamental programming concepts including collections, stacks and queues, linked lists, binary trees, recursion, inheritance, and encapsulation
- Mentor students at the Introductory Programming Lab by debugging assignments and answering conceptual questions
- Grade weekly assignments, providing detailed feedback, and exams

FIRST YEAR PROGRAMS, UNIVERSITY OF WASHINGTON
Orientation Leader, April - September 2019

- Led workshops, presentations, and discussions to provide ~8,000 first-year students with information and perspective about student life on campus.
- Personally assisted ~400 students throughout the summer by connecting them to campus resources and providing individualized advice

RESEARCH & VOLUNTEER EXPERIENCE

KING COUNTY AIR SUPPORT UNIT PROJECT
Impact++, January - Sept 2019

- Collaborated with a team of UW students to design an internal database for the King County Air Support Unit
- Migrated the department's current equipment management system to a more efficient and streamlined database
- Used Angular JS while maintaining up-to-date and organized code base with Git

AQUAPONICS & RASPBERRY PI PH PROBE
Eastside Catholic High School, 2016-2018

- Co-founded system to potentially serve as a sustainable food source for areas with scarce access to produce
- Experimented with the installation of a pH probe into the aquaponics system, using a Raspberry Pi, that actively monitored pH levels to ensure its safety
- Partnered with Microsoft's aquaponics research team to troubleshoot system and experiment with plants and tank conditions