Brandon Fok

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Education	University of Washington, Seattle, WA	expected June 2020
	B.S. Computer Science, Minor in Mathematics 3.93 GPA	
	Dean's List (3 quarters)	

Relevant Coursework Data Structures and Parallelism (current), Foundations of Computing, Computer Programming, Calculus with Analytic Geometry, Introduction to Differential Equations, Matrix Algebra with Applications

Technical Skills Languages
Proficient with Java. Familiar with C++, C#, HTML, CSS, JavaScript, and Git
Other
Proficient with Microsoft Word, Excel, and PowerPoint

Projects unREST | HTML, CSS, JavaScript, jQuery, Google Firebase

- Coded full-stack and helped in ideating and designing a web application built to modernize and better organize protests in a team of 5 diverse individuals
- Implemented real-time database that allowed users to create and post events and update event page in real-time
- Implemented account creation and log-in system using Google Firebase

3D Game Engine | C++

- Building a 3D game engine from the ground up
- Incorporated OpenGL API to make use of GPU and optimize performance
- Learning C++ to experiment with low-level programming and utilize its ability for manual memory allocation and operation overloading
- Applied newly gained knowledge of matrix algebra

Discord Bot | Java

- Utilized open-source API and custom libraries for the first time
- Made functionality for the bot to be a music player - play, pause, add songs and playlists to queue given YouTube and SoundCloud links
- Created GUI for easier control of the bot and reliable access to its information using Java Swing
- Learned more about data structures, refactoring lots of code, debugging with lesser known libraries and APIs, and brainstorming and planning future updates

Experience Fundraising Chair | Filipino American Student Association   Jun 2018 – present

- Gathering, coordinating, and leading volunteers at sports games accommodating 60,000 attendees on average as well as various other fundraising events
- Utilizing my programming knowledge to automate aspects of volunteer organization and communication in order to increase efficiency
- Foster community and pride in Filipinx/Filipinx American/Filipinx interest individuals through cultural, social, educational and political advancement
- Planning, organizing, and executing numerous events and programming

Activities	Filipino American Student Association	Sep 2017 – present
	GameDev Club	Sep 2018 – present
	UW Men's Ultimate Frisbee	Sep 2017 – present
	FASA Legacy	Oct 2018 – present
	Hackathons: Dubhacks '17 and '18, WINFO Hackathon '18	