Brett K. Saiki

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Summary

- Excellent student with critical thinking skills and a passion for learning
- Engaged in research on number systems, optimization of math programs, numerical analysis
- Well versed in the idiosyncrasies of floating-point behavior across many languages
- Able to work well in a team, as well as independently
- Looking for an opportunity to apply my experience and learning in a business setting

Education

University of Washington   Computer Engineering
Expected graduation date: June 2023   GPA: **3.77**

Capistrano Valley High School   GPA (unweighted): **3.90**
2015 – 2019   GPA (weighted): **4.45**

Saddleback College   GPA: **4.00**
Summer 2017, Summer 2018

Experience

UW, Paul G. Allen School of CSE | Seattle, WA   December 2019 – present
Undergraduate Research Assistant

- Responsible for maintaining and improving FPBench
- Attending weekly meetings with professors and graduate students from other universities on developments in related projects
- Implemented new features requested by international researchers
- Expanded the Herbie tool to use multi-precision expression to increase accuracy
- Current work involves techniques for optimizing multi-precision math expressions related to a future paper

State Compensation Insurance Fund | Santa Ana, CA   June 2019 – August 2019
Summer Intern

- Contacted medical providers of injured workers to obtain work status updates
- Compiled unpaid bills from medical providers in preparation for litigation
- Indexed digital documents and digitized physical claims
- Learned the lifecycle of an insurance claim

Achievements & Activities

UW Annual Dean's List   2020
AP National Scholar   2019
UW Campus Philharmonia Orchestra   2019 – present
UW PLSE (Programming Language and Software Engineering) Group   2019 – present

Skills

Microsoft Word, Excel, PowerPoint   C/C++, Java, Racket
Google Docs, Sheets, Slides   Linux, Git