

Brett K. Saiki

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949-237-0408

Mission Viejo, CA

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

Expected graduation date: June 2023

Engineering Undeclared

GPA: **3.77**

Capistrano Valley High School

2015 – 2019

GPA (unweighted): **3.90**

GPA (weighted): **4.45**

Saddleback College

Summer 2017, Summer 2018

GPA: **4.00**

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
- Currently 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

Google Docs, Sheets, Slides

C/C++, Java, Racket

Linux, Git