

AKASH BHATTHAL

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Education

SIMON FRASER UNIVERSITY

Bachelor of Science, Computer Science
2017 - 2021

Skills

 Web Dev	React, Django, Flask
 Data Science	NumPy, Pandas, Spark
 Compilers	LLVM IR, Parabix, Neon

Experience

BOOTCAMP PREP INSTRUCTOR, CODE PLATOON

AUG 2021 - PRESENT

- Prepare and give lectures to classes of military veterans on programming fundamentals in JavaScript

SOFTWARE ENGINEERING TA, CODE PLATOON

FEB 2021 - MAY 2021

- Taught data structures, algorithms, and fundamentals of computer science
- Assisted students with programming assignments and web development projects
- Built web applications using modern frameworks including Django and React

TELLER, BC CURRENCY EXCHANGE

JUL 2016 - AUG 2017

- Exchanged currencies and precious metals in a fast-paced environment
- Ensured the safe handling and transfer of sensitive customer data through overseas transactions
- Utilized financial domain knowledge in identifying transaction errors in real-time

Projects

PARABIX ON ARM

Parabix technology is a high-performance programming framework for streaming text processing applications, leveraging both SIMD and multicore parallel processing features. The Parabix on Arm project ported the application onto Arm processors utilizing Neon intrinsics.

THE GIVING TREE

A simple clicker game where you click on a tree to collect apples. Features a store where users can purchase characters and baskets to collect more apples. Built with Unity and C#.

KRAKEN

A sophisticated user-management, moderation, and logging application for the real-time messaging platform, Discord. It maintains and backs up logs of user infractions and enforces rules as specified by server administrators. Built with Python and Discord.py.

BOBBY'S BREAKOUT

An open-world adventure game created for a software engineering course. Focuses on SFU professor Bobby Chan trying to get home after a long day of work. Built with Node, Express, Konva, and Socket.io.