Silvester Htet

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Education and Skills

University of California Berkeley Expected Graduation: January 2026

B.A. – Computer Science (In Progress) | B.S. – Civil Engineering (Completed) Cumulative GPA: 3.83

Relevant Coursework: Operating Systems Design, Computer Architecture, Software Engineering, Algorithms, Machine Learning, Computer Security, Data Structures, Full Stack Development, Intro to Quantitative Finance, Discrete Mathematics, Probability, Statistics, Data Science, Linear Algebra, Differential Equations, Project Management, Risk Analysis

Technical Skills: Python, Java, C, C++, Go, Rust, Scheme, SQL, Assembly (RISC-V and x86), HTML, JavaScript, CSS, MATLAB

Professional Experience

Mandalay Technology, Remote – *Intern* October 2024 – Present

- Remote Software Engineering Internship at the leading IT Solutions provider and system integrator in Myanmar.
- Worked on integrating Aeronautical Mapping System (AMS) and Flight Procedures Satellite Analysis Tool (FPSAT) with existing systems for the Myanmar Department of Civil Aviation, specifically at the Mandalay International Airport.
- Wrote and modified over 3000 lines of code on existing Air Traffic Control systems to streamline integration with new software.

Cahill Contractors, San Francisco, CA – *Intern* May – August 2024

- Utilized visual programming in CM Builder to automate and optimize construction sequence, equipment placement, and logistics planning, improving efficiency by an estimated 10%.
- Created seven 3-D Site-Logistics plans using CM Builder, Blender and Google Maps API.

Hathaway Dinwiddie Construction Company, San Francisco, CA – *Intern* May – August 2023

- Worked with team of 7 other members on planning construction projects in California totaling over $1.7 Billion in revenue
- Developed custom Python scripts using Revit API and Dynamo to automate repetitive modeling tasks, saving the team an estimated 15% in modeling time

Technical Projects

Poker Now Game Theory Optimal Chrome Extension September 2024

- Developed a Chromium Overlay Extension for pokernow.com using Python, JavaScript and HTML, incorporating Game Theory Optimal strategies for real-time poker analysis.
- Employed game theory optimal algorithms to recommend ideal action and bet sizes Preflop.
- Logged opponent betting and hand data to estimate ranges categorized by round and betting action.

Coinbase Crypto Trading API September 2024

- Built a Python-based API on the Coinbase Trading Platform to monitor the Small Cap Coin market, specifically tracking large orders and executing trades based on correlated Coins.
- Implemented automated buy orders to leverage fast market analysis, similar to a high-frequency trading algorithm.

Extracurriculars and Awards

Open Project, Berkeley, CA – *Application Developer* January 2024 - present

- Developed the backend for a student-centric web application for reading, featuring Rapid Serial Visual Presentation (RSVP), eye-tracking, and computer vision to increase reading speed by up to 6x.
- Implemented a custom user login and verification system using Google Firebase authentication and data management platform.
- Employed JavaScript and C++ in Node.JS and Open CV to build a response backend that integrates advanced data processing and user interaction features for seamless app performance.

Cal Construction, Berkeley, CA – *President* August 2021 - present

- Leading the largest project management competition team in UC Berkeley with 10 sub teams and 170+ active members
- Applied leadership and organization skills to prepare teams for intense competitions requiring teamwork and critical thinking.

USABCI Scholarship – 2x *Recipient* 2022-2023

- Merit based $5000 scholarship sponsored by Meta, awarded twice for a total of $10,000