Kai Webber

San Francisco, CA | New York, NY • (408) 656-4632 • kaiwebber.com • linkedin.com/in/kai-webber

WORK EXPERIENCE

eMoney Advisor, Radnor, PA
Associate Software Engineer – Ogopogo Team (Client Experiences ART) March 2026 – Present

- Engineered full-stack premium features in C#, SQL, TypeScript, and React that give advisor firms actionable insights into client engagement, driving incentives to upgrade their plan.
- Delivered end-to-end advisor analytics dashboards—from stored procedures and REST APIs through to React frontend—surfacing real-time metrics on client usage of premium features.

eMoney Advisor, Radnor, PA
Associate Software Engineer – Data API Team (Data Aggregation ART) September 2025 – March 2026

- Owned two production API connectors end-to-end—from research through deployment—integrating external financial institutions via HTTP, REST, and SOAP with OAuth and FDX configurations.
- Architected an in-house HTTP payload simulation tool to replicate external API responses, enabling safe connector testing without hitting live systems.
- Contributed to migrating connector services out of the data aggregation monolith into a standalone connector service repo, with RabbitMQ handling inter-service communication.

eMoney Advisor, Radnor, PA
Software Engineer Co-op – Odin Team (Data Aggregation ART) January 2025 – August 2025

- Maintained C# backend services within a centralized data aggregation platform responsible for storing and managing client financial account data, leveraging RabbitMQ for event-driven messaging across services.
- Piloted a proof-of-concept integrating an Amazon Q model to automate internal workflows and reduce manual effort.

The George Kostas Research Institute for Homeland Security, Burlington, MA
Data Scientist / Engineer Co-op January 2023 – June 2023

- Researched and implemented per-pixel and subpixel neural network classification models in Python for multi-band satellite imagery and RGB/NRGB autonomous vehicle data, alongside a metadata database to organize imagery labels at scale.

TECHNICAL SKILLS

Python	C#/.NET	SQL	JavaScript /TypeScript	React
Java	C/C++	Machine Learning	Google Earth Engine	Arduino
SolidWorks	Autodesk / AutoCAD	QGIS	Embedded Design	Docker

PROJECTS

March Madness Predictor — Predicted NCAA tournament outcomes using regression, neural networks, and Monte Carlo simulations with features engineered from historical data (Python, scikit-learn).

NU SEDS Mars Rover — Enhanced autonomous navigation using localization, RTK GPS, and ZED cameras; achieved a top ten finish at the Mars Society University Rover Challenge (URC).

Assistive Device for the Visually Impaired — Wearable system (glasses + shoes) with stereovision for obstacle detection, audio warnings, and haptic feedback for ground-level hazards.

Image Classification Pipeline — U-Net segmentation pipeline trained on Google-scraped imagery labeled via LabelBox for bird image classification.

Electrocardiogram Signal Processor — Filtered and analyzed ECG signals in MATLAB with analog components to compute real-time BPM.

EDUCATION

Northeastern University, Boston, MA
B.S. Computer Engineering & Computer Science | GPA: 3.68 | Graduated Cum Laude August 2025