William Callahan

CFA CHARTERHOLDER · CFP® PROFESSIONAL

San Francisco, California williamcallahan.com aventure.vc

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PROFESSIONAL SUMMARY

Software engineer and leader experienced in data, search, finance, and AI-powered web applications. Deep background in product development and quantitative research.

PROFESSIONAL EXPERIENCE

aVenture

2023 - Present

Founder & CEO

· San Francisco, California · aventure.vc

- Building a research platform with data on venture-backed startups and their investors to help founders and investors make better decisions
- Backed by Techstars

TS Bank

2021 - 2022

President, wealth management division

· San Francisco, California / Omaha, Nebraska · tsbank.com

- Led unit following acquisition/sale of Callahan Financial Planning

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Callahan Financial Planning

2010 - 2021

Founded and led an SEC-registered investment advisor

· San Francisco, California / Omaha, Nebraska · tsbank.com

- Provided comprehensive financial planning and investment advisory services, including proprietary cloud software for managing complex/nuanced data sets in such relationships
- Managed $225 million in assets on acquisition

Mutual First Federal Credit Union

2020 - 2021

Board member

· Omaha, Nebraska · mutualfirst.com

- Served on the board of directors, including as treasurer, overseeing the strategic direction and financial health of the credit union
- Primary focus on product differentiation and pricing strategy, asset-liability management strategies, and growth strategy

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Morningstar

2015 - 2019

Advisor to the executive team

· Chicago, Illinois · morningstar.com

- Provided strategic and specific direction to the executive team on the development of new SaaS offerings for advanced investment research and portfolio management

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HIGHLIGHTED TECHNICAL PROJECTS

aVenture.vc

View

ANALYTICS | DATA PLATFORM | RESEARCH TOOL | BUSINESS INTELLIGENCE | SAAS | WEB APPLICATION

Private-market research platform indexing tens of millions of records across 500+ attributes, with live ETL that ingests news, company data, and investor updates daily. Built with Node.js, Next.js, TypeScript, Zod, PostgreSQL, and supporting services.

Researchly

View

AI | WEB SEARCH | CHAT ASSISTANT | OPENAI | GPT | RAG

Web app that merges search with an AI chat assistant: select results, then ask GPT/Groq/Gemini using that grounded context. Built with Next.js, TypeScript, Convex Database, and Vercel AI SDK, with heavy server-side scraping/parsing to filter only relevant context.

Ensemble

View

AI | MULTI-AGENT | RESEARCH TOOL | COLLABORATIVE | REAL-TIME | WEB APP

Multi-agent collaborative research interface where AI agents deliberate, react, and build on each other's reasoning in real time. A companion app to Researchly that surfaces richer insights through agent ensemble dynamics. Built with Svelte 5, Convex, and Tailwind CSS.

ComposerAI

View

AI | EMAIL CLIENT | LLM | PRODUCTIVITY | TASK AUTOMATION | VECTOR SEARCH

AI-native email client that indexes every message in Qdrant for semantic and BM25/BM42 search. Offers full-mailbox search, drafts cited replies, and surfaces follow-up tasks from context. Built with Svelte + Vite and Spring Boot.

Java Chat

View

AI | CHAT | RAG | EDUCATION | STREAMING | WEB APP

AI-powered Java learning chat app with streaming answers, citations, and guided lessons grounded in ingested documentation (RAG). Built with Spring Boot (WebFlux), Svelte, and Qdrant.

Brief

View

TERMINAL UI | CLI | CHAT CLIENT | OPENAI | JAVA | OPEN SOURCE

Terminal ChatGPT client for fast, keyboard-first chat. Includes slash commands, tool execution, and support for OpenAI-compatible providers (OpenRouter, Ollama, LMStudio). Location features powered by Apple Maps Java. Built with TUI4J and available via Homebrew.

TUI4J

View

TERMINAL UI | TUI | JAVA | OPEN SOURCE | DEVELOPER TOOLS | FRAMEWORK

A Java terminal user interface framework inspired by Charm's BubbleTea (Go). Implements The Elm Architecture with Model/init/update/view patterns. Includes ports of bubbles (UI

components), lipgloss (styling), and harmonica (spring physics animations). Published on Maven Central.

Apple Maps Java SDK

View

JAVA | SDK | APPLE MAPS | GEOCODING | REST API | OPEN SOURCE

A lightweight, unofficial Java SDK for the Apple Maps Server API. Provides geocoding, search, autocomplete, directions, ETA, and place lookup for backend/JVM applications. Automatically exchanges long-lived JWT tokens for short-lived access tokens with refresh. Published on Maven Central.

EDUCATION

Creighton University **2016**
Master of Investment Management & Financial Analysis (MIMFA)
OMAHA, NEBRASKA

Creighton University **2016**
Master of Business Administration (MBA)
OMAHA, NEBRASKA

University of Nebraska **2011**
BSBA in Corporate Finance, Banking & Financial Markets, Investment Science & Portfolio Management
OMAHA, NEBRASKA

CONTINUING EDUCATION (SELECTED)

Stanford University

Machine Learning for Business with Python	2024
Large Language Models for Business with Python	2024
User-Centered Design for AI Applications	2024

College of San Mateo

Programming Methods - Java	2025
Object-Oriented Programming - Java	2025
Python Programming	2025
Unix & Linux Systems	2025
Data Structures & Algorithms	2025

University of California Berkeley

Web Development (JavaScript / TypeScript)	2025

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

Executive Education – Venture Capital Decision Making
COLUMBIA BUSINESS SCHOOL• 2022• NEW YORK, NEW YORK

Certification in Startup Law & Venture Capital Investing

UNIVERSITY OF CALIFORNIA BERKELEY• 2022• BERKELEY, CALIFORNIA

Chartered Financial Analyst (CFA) Charterholder

CFA INSTITUTE• 2016• CHARLOTTESVILLE, VIRGINIA

Certified Financial Planner (CFP) Professional Certification

CFP BOARD• 2012• WASHINGTON, DISTRICT OF COLUMBIA

TECHNICAL FOCUS

Languages & platforms

- TypeScript (JavaScript)
- Java
- Python
- SQL
- PostgreSQL
- Qdrant

Frameworks & runtimes

- Next.js
- Node.js
- React
- Svelte
- Spring Boot
- Vite
- Docker

AI systems & data

- Hybrid search (BM25/BM42 + embeddings)
- Retrieval-augmented generation
- LLM tool chaining
- Vector indexing
- Self-hosted LLM inference
- Semantic meaning extraction

Investment, finance, & risk analytics

- Asset-liability management
- Quantitative research
- Factor modeling
- Portfolio optimization
- Performance attribution

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