SOFTWARE DEVELOPER

Rigpea Wangchuk

rigpea@proton.me
(857) 753-9897
github.com/Rigpea
linkedin.com/in/rigpea

PROFESSIONAL EXPERIENCE

Quantitative Software Developer

July 2025 – November 2026

Acadia Analytics

- Built Acadia's market-data database with AI-assisted development, applying the Databricks medallion pattern on PostgreSQL and Amazon S3. Checked coverage daily and backfilled missing market data before researchers used it.
- Contributed to a conversational assistant that turned questions about historical market data into summaries and charts. Connected its React and TypeScript interface to Python APIs and Google ADK tools.
- Coordinated directly with Massive, Acadia's market-data provider, and kept the team's use of its data within the terms of the license.

RESEARCH EXPERIENCE

Bioinformatics Researcher

October 2026 – Present

Marintchev Lab, Boston University

- Compared Bowtie2 and BBMap on a published human 40S ribosome-profiling dataset. The workflows mapped different numbers of reads but placed both aggregate footprint peaks at the same positions relative to the start codon.

OPEN SOURCE

vibeMomo

github.com/Rigpea/vibemomo

Local development studio

- Integrated Codex alongside Claude Code so users could delegate tasks from an ongoing conversation. Fixed Git previews so each revision opens its own entry page.

mixAgents

github.com/Rigpea/mix-agents

Python agent manager

- Contributed to a Python manager that routes tasks to Claude and Codex workers and enforces run budgets. Its test suite covers interrupted runs, worker failures, and retries.

EDUCATION

Boston University

May 2025

Bachelor of Arts in Computer Science

TECHNICAL SKILLS

Python, TypeScript, JavaScript, SQL, shell scripting
React, ECharts, FastAPI, REST APIs, PostgreSQL, Amazon S3, Docker, GitHub Actions