

Gaëtan Almela

My name is Gaëtan, I'm a Rust developer at Ransky Tech.

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WORK EXPERIENCE

Ransky Tech — *Proprietary trading*

Jul 2024 – Present — Maryland

Using Rust to build efficient proprietary trading software.

SIG — *Real-world trading software*

Jun – Aug 2023 — Philadelphia

Implemented an inter-process communication system for software used by hundreds of traders per day.

Arandis — *Data science in finance*

Mar – Apr 2021 — France

Developed over 60 fully automated web scrapers to extract ETF fund data everyday.

Amazon Marketplace — *Scraping the web*

Jan – Mar 2019 — France

Developed a fully automated marketplace scraper to extract over 30,000 data points from competitors including pricing, and seller databases.

PROJECTS

Protocash — *Zero Knowledge in Action*

2024 – [GitHub](#)

A layer 1 cryptocurrency built in Rust, using cometbft with a focus on privacy and speed. All transactions are completely private and performed in zero-knowledge.

Wave Function Collapse — *Safety meets performance*

2023 – 2024 – [GitHub](#)

Implemented the Wave Function Collapse algorithm in Rust with compile time type checking, parallel processing, and arbitrary dimensional space and input type.

Accents — *Accent support for Chrome*

2019 – [GitHub](#) / [WebStore](#)

Co-founder of Accents, an extension for Chrome that adds easy accents to the keyboard. It emulates the accent system of MacOS while adding keyboard shortcuts and functionalities. At its peak, the extension had over 40,000 users.

EDUCATION

University of Maryland — *CS & Math Double Degree*

Aug 2019 – May 2024

CMSC320 Data Science, **CMSC420** Data Structures, **CMSC422** Machine Learning, **CMSC424** Database Design, **CMSC451** Advanced Algorithms, **STAT410** Probability Theory.

MISCELLANEOUS

Efficient with GNU/Linux, Fluent in English and French, Rubik's Cube World Championship 2017 Participant.