Carther S. Theogene

600 Cambridge st, Allston, MA | carther@mit.edu | +1 617 858 4224 | Linkedin: https://www.linkedin.com/in/carther-theogene-479707137/

SUMMARY

Computer Engineer with end-to-end product leadership, AI/ML, full-stack, and consulting experience. Proven ability to launch data-driven services, streamline nonprofit workflows (-30% admin time), and deliver investor-ready business plans.

EDUCATION

Boston University
B.S. in Computer Engineering
(Graduated on May 2025)

Focus: Smart & Connected Systems, AI/ML with Python, Networking, Software Engineering, Verilog for FPGAs

Massachusetts Institute of Technology (MIT)
B.S. in Computer Science & Engineering
(incomplete)

EXPERIENCE

Founder & CEO, Rideoke / Rideo (Feb 2024 – Present)

Swipe-based carpool app with personalized feeds(React Native + Firebase)

Clinical Engineering Intern, BU-KIDMEP @ Boston Medical Center (Summer 2021)

- Shadowed nephrology rounds to surface automation opportunities in dialysis workflows.
- Designed & prototyped optical-spectroscopy device to quantify residual proteins pre/post dialysis.

Software Developer, QuotumTech, Johns Creek, GA (2020 – 2021)

- Delivered full-stack modules across Fortune 100 clients using Vue.js, AWS, Redis, Python, Jenkins.
- Introduced CI/CD pipelines to cut deployment times by 40% and ensure code quality.

Freelance Web Developer, Anu Sood (MIT Alumnus) – Remote (2018 – 2019)

- Produced 6+ mobile-first, SEO-optimized websites from wireframe to launch.
- Integrated lightweight CMS and provided ongoing maintenance.

SKILLS

- Python (Data Science , AI/ML)
- JavaScript (React, Node.js, Typescript, Angular)
- Ruby on Rails (Full-stack Web Apps)
- C# & .NET (ASP.NET, WinForms, Unity)
- C / C++
- Message Dıstrıbutıon(Redis, RabbıtMQ)
- SEO, Elasticsearch, Google Analytıcs
- Cloud Computing (AWS, GC, Heroku, etc.)
- Verilog (FPGA /Hardware Logic
- Assembly (MIPS, x86)
- LLMs & NLP (LLaMA 7B, GPT-4, TF-IDF, etc.)
- Machine Learning (PyTorch, scikit-learn, GenAI
- Docker
- DB (Mongo, SQL, Fırebase, PostgreSQL, etc.)
- CI/CD (Jenkins, GitHub Actions)
- Hardware Acceleration

English
native

French
native

Spanish
advanced

Haitian Creole
advanced

Portuguese
Conversational

AWARDS

GrantEngine Design Excellence Award
Boston University (May 2025)

Chess State/Regional Ranking: Provisional 2499 USCF
(Highest in Maine)

Professional FIFA eSports Signing, New England Revolution
2020-2023 (3× re-sign)

BU-KIDMEP Fellowship, R25 Kidney Disease Program
Summer 2020

SELECTED PROJECTS

GrantEngine (Senior Capstone)

- Engineered a sub-10 ms AI grant-matching platform using FAISS/HNSW + TF-IDF.
- Awarded BU's Design Excellence Award, outpacing 40+ hardware-centric teams.

Smart Home API

- Designed RESTful Flask endpoints over Firestore for User→House→Room→Device hierarchy.

Document Analyzer for Teachers

- Implemented LLM pipeline (TF-IDF & embeddings) for automated summarization and scoring.

MicroMaster™ – AI Microwave Launch Plan (Consulting)

-- Led strategy & financial modeling for AI-powered microwave (thermal imaging + ML).
- Validated via 200-respondent survey; built 3-year projections and phased go-to-market plan.
- Pitch deck presented to BU faculty & classmates-as-investors, securing buy-in for prototype.

ICU Health Monitor

- Prototyped vitals tracking with alert triggers and data-visualization dashboards.

Victory Programs Data Efficiency Initiative (Consulting)

- Partnered with Boston nonprofit to map paper-to-system data flow and identify redundancies.
- Developed fillable PDF questionnaire and flow visualizations.
- Piloted tablet-based intake, reducing manual entry tasks by 20–30% and speeding reporting by 25%.

-Hospital Asset Management

- Built SQL platform for real-time device tracking and inventory reporting.

P2P Python Socket Programming

- Developed NAT traversal, threading models, and custom protocols for scalable peer networks.

INTERESTS

- Gaming (FIFA)
- FPGA hacking
- Running
- Chess
- IoT projects
- Coding
- Soccer
- Dancing(Ballroom, salsa, bachata, Kizomba)