

BERAT CELIK

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WORK EXPERIENCE

Commure Inc., Mountain View, CA

Aug 2024 – Dec 2025

Software Engineer Intern

- Built AI-driven patient-engagement modules, reducing appointment no show rates by 17% across pilot clinics.
- Automated predictive care pathways, enhancing clinician efficiency by 30%.
- Delivered scalable, high-performance web solutions using Angular, Node.js, ClickHouse, and SQL.
- Developed advanced models in Python/FastAPI, achieving 97% precision in extracting critical entities from Electronic Health Records for claims processing.
- Resolved critical data pipeline bottlenecks, directly recovering \$2-3M revenue for client hospitals.
- Engineered robust ETL validation processes, managing over 20M records weekly across 6 EHR platforms.

Beaton Rettich Waters Consulting Group, Victoria, BC

May 2023 – Dec 2023

Associate Consultant Intern

- Modeled \$10 M+ P&L data and supported 6 mid-market clients, delivering Excel/Power BI dashboards that cut reporting time.
- Built KPI playbooks aligning daily ops with 3 yr strategies, halving project kickoff time and driving 95 % satisfaction scores.

JOBBOX Inc., Kelowna, BC

Apr 2023 – Sep 2023

Founder

- Built and launched a full-stack gig-economy marketplace (React + Node + MongoDB) in 10 weeks, leading a 5-person team from ideation through MVP and onboarding 20+ early users.

Students' Union of Okanagan of UBC, Kelowna, BC

May 2022 – May 2023

Director at Large

- Elected to represent 12,000+ students, advocating for student needs in executive board decisions.
- Improved digital infrastructure and IT systems, streamlining communication and service delivery.

XFunds (acquired by Finzi), Istanbul, Turkey

Dec 2021 – May 2022

Co-Founder

- Designed Python-based crypto & NFT trading bots that executed 2,500+ live trades across 15 assets, delivering a 38 % IRR and helping secure a mid-five-figure exit in just six months.

EDUCATION

Cornell University, Cornell Tech, New York, NY

Aug 2025 – May 2026 (Expected)

Master of Engineering in Computer Science

Coursework: Applied Machine Learning, Deep Learning, Optimization Methods

Honors/Awards: *Merit Scholarship Recipient, AI for Engineers Certification (On-track)*

University of British Columbia, Vancouver, BC

Sep 2021 – Jul 2025

Bachelor of Science, GPA of 3.90

Double Major in Computer Science & Economics

Awards: *Karen McKellin International Leader of Tomorrow Award, Deputy Vice Chancellor Scholarship, Dean's List*

Study Abroad: King's College London (Sep 2023- May 2024), London School of Economics (Jun 2022 – Aug 2022)

LEADERSHIP & PROJECTS

ForgeMind, Mountain View, CA

Feb 2025– Jul 2025

Software Project

- Created an AI co-pilot plugin for Fusion 360, CATIA, SolidWorks, and NX that auto-suggests feature paths.
- Developed a tolerance-checking engine that flags clashes at design, cutting rework $\approx 25\%$ and preventing 10+ assembly errors.

UBC Blockchain Club, Kelowna, BC

Jan 2023 – May 2025

President

- Founded and led the club, running hands-on study sessions that helped members build Solidity smart-contract demos.
- Coordinated with Computer Science faculty to develop an introductory blockchain syllabus exploring Web3 topics.

Zero Carbon Ecosystem, Kelowna, BC

Feb 2022 – Mar 2022

Software Project

- Created Carbon Pay, an energy-efficient blockchain that issues 400 B ZCARB tokens (1 ton CO₂ each), a one-for-one mirror of the IPCC's 400 Gt carbon budget for staying within 1.5 °C, so households and firms are automatically charged for emissions.
- Programmed smart-contract logic to estimate transaction-level carbon footprints and settle payments in real time.

UBC Turkish Student Association, Kelowna, BC

Jan 2022– May 2025

President

- Led cultural-exchange events such as Turkish Culture Night and joint charity drives with other student groups.
- Partnered with the International Student Office to launch “Taste of Türkiye Week,” broadened cultural understanding at UBC.

Healthdemic Kit-App, Istanbul, Turkey

May 2020 – Aug 2021

Patent

- Patented a wrist device that collects user data such as body temperature and wirelessly tracks human interactions to algorithmically form an epidemic network and transmits data to a mobile app.
- Customized Eigenvector and Katz centralities to find COVID-19 risk locations and decrease human interactions in MATLAB.

AWARDS & CERTIFICATIONS

Awards: Royal Bank of Canada - Cross-Campus Case Competition, 1st Place Award (2022) | UBC BC Hacks Hackathon, 1st Place Award (2022) | Mentorloops Innovation Platform Hackathon, 1st Place Award (2020) | Junior Achievement Turkey Startup Contest, 2nd Place Award (2020).

Certifications: Entrepreneurial Skills Pass Certification by EUROCHAMBRES, Certificate | Stanford University Social and Economic Networks Certificate | IBM Data Science Professional Certificate Program.

TECHNICAL SKILLS & INTERESTS

Programming Languages: Python, Java, C++, JavaScript/TypeScript, SQL, Swift

Backend: FastAPI, Flask, Node/Express, Django, GraphQL, REST

Frontend/Mobile: React, Angular, Flutter, Tailwind

Data/ML: ClickHouse, Spark, Snowflake, TensorFlow, PyTorch, MLflow

Cloud & DevOps: Docker, Kubernetes, AWS, GCP, GitHub Actions, Terraform

Finance & Economics: Financial Modeling, Risk Assessment, FinTech APIs, Market Analysis, Data Analytics

Language / Interests: Turkish (native), English (bilingual), German (elementary) / Basketball, Tennis, Golf, Golden State Warriors