# Alexander Domnikov Jr.

me@alexdomnikov.com | alexdomnikov.com | github.com/alexdomnikov | linkedin.com/in/alex-domnikov

## EDUCATION

**Georgia Institute of Technology**                                                    Atlanta, GA
*Master of Science in Computer Science*                                         Jan 2026 - Present

**Orange Coast College**                                                         Costa Mesa, CA
*Prerequisite Courses for Computer Science Master Programs*              Jun 2024 - Dec 2025
- GPA 4.00 / 4.00
- Relevant coursework: Intro Java, C++ 1-2, Data Structures/Algorithms in C++, Discrete Structures, Calc 1-3

**Brigham Young University – Marriott School of Business**                            Provo, UT
*Bachelor of Science in Finance*                                                       Apr 2022
- GPA 3.85 / 4.00

## EXPERIENCE

**SNAP Life Sciences** (*Early-Stage Biotech Startup*)                            Cambridge, MA
*AI & Full-Stack Development Intern*                                          Dec 2025 - Present
- Built Python ETL pipeline to extract, clean, and transform 3.3mm WHO Global Health Estimates records (185 countries, 215 diseases, 6 years); implemented automated validation checks and loaded into PostgreSQL for analysis

**Dodge & Cox** (*$350bn+ AUM Value-Focused Investment Management Firm*)        San Francisco, CA
*Equity Research Associate – Global Internet & Machinery Coverage*           Aug 2022 - Aug 2024
- Received offer for promotion to Senior Equity Research Associate
- Built VBA automation to clean and standardize 10k+ rows of unstructured US construction spend data; analyzed industry cyclicality through visualizations to inform investment thesis; presented findings to senior investment execs
- Researched generative AI legal landscape by analyzing proposed legislation, US Copyright Office guidance, and legal memos; conducted diligence meetings with AI experts and policy analysts to assess impact on Google's unit economics
- Evaluated emerging clean tech market viability and limitations through industry research; presented to committee

**JPMorgan Chase & Co.**                                                          New York, NY
*Healthcare Investment Banking Summer Analyst*                               Jun 2021 - Aug 2021
- Received full-time return offer
- Built financial models (DCF, comparable analysis) in Excel to evaluate M&A targets; performed research on market share, revenue growth, and competitive positioning in healthcare; supported client presentations and deal execution

## PERSONAL PROJECTS

**Ephemeral Notes Feature** (*Forked Codebase*)
*github.com/alexdomnikov/reduced.to*
- Designed stateless, self-destructing notes feature by compressing messages into URL hashes and routing through existing URL shortener; leveraged Redis TTL for automatic 30-min expiration with zero database schema changes
- Implemented XSS protection via plain-text rendering and wrote unit tests to ensure deterministic compression
- Successfully navigated unfamiliar TypeScript/Qwik/NestJS codebase to implement core feature functionality

**Full-Stack Stock Price Tracker & Visualization App**
*github.com/alexdomnikov/Stock-Price-Checker*
- Developed secure user authentication using Flask-Login and Flask-Bcrypt for hashing and session management
- Integrated Alpha Vantage API to fetch and parse historical data; added error handling for rate limits and invalid tickers
- Created interactive stock price charts using Plotly, enabling users to hover and zoom for specific historical price data
- Built SQLite relational database schema using SQLAlchemy (ORM) to manage user data and watchlists (CRUD)
- Applied SDLC principles, including Git version control, project setup, and clear documentation
- **Tech stack**: Python, Flask, SQLAlchemy, SQLite, Bootstrap, Jinja2, Plotly.js

## SKILLS & INTERESTS

- **Core Stack:** Python (FastAPI, Flask, Pandas, scikit-learn), SQL, PostgreSQL, AWS, Git
- **Other Experience:** C++, Java, HTML/CSS/Javascript, Tailwind CSS, Bootstrap, React/Vite, Plotly, SQLite, Docker
- **Interests:** pickleball, board and card games, science fiction, LA Dodgers, astronomy, and Post-Impressionist art