

Alexander Domnikov Jr.

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EDUCATION

Georgia Institute of Technology <i>Master of Science in Computer Science</i>	Atlanta, GA Jan 2026 - Present
Orange Coast College <i>Prerequisite Courses for Computer Science Master Programs</i>	Costa Mesa, CA Jun 2024 - Dec 2025
<ul style="list-style-type: none">▪ 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 <i>Bachelor of Science in Finance</i>	Provo, UT Apr 2022
<ul style="list-style-type: none">▪ GPA 3.85 / 4.00	

EXPERIENCE

SNAP Life Sciences (Early-Stage Biotech Startup) <i>AI & Full-Stack Development Intern</i>	Cambridge, MA Dec 2025 - Present
<ul style="list-style-type: none">▪ 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) <i>Equity Research Associate – Global Internet & Machinery Coverage</i>	San Francisco, CA Aug 2022 - Aug 2024
<ul style="list-style-type: none">▪ 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 cyclicity 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. (Global Investment Banking Leader) <i>Healthcare Investment Banking Summer Analyst</i>	New York, NY Jun 2021 - Aug 2021
<ul style="list-style-type: none">▪ 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	
<ul style="list-style-type: none">▪ 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	
<ul style="list-style-type: none">▪ 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