

# Alexander Domnikov Jr.

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## EDUCATION

### Georgia Institute of Technology

*Master of Science in Computer Science*

Atlanta, GA  
Jan 2026 - Present

### Orange Coast College

*Prerequisite Courses for Computer Science Master Programs*

Costa Mesa, CA  
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

*Bachelor of Science in Finance*

Provo, UT  
Apr 2022

- GPA 3.85 / 4.00

## EXPERIENCE

### Dodge & Cox

*Equity Research Associate – Global Internet & Machinery Coverage*

San Francisco, CA  
Aug 2022 - Aug 2024

- Received offer for promotion to Senior Equity Research Associate
- Cleaned & standardized unformatted US construction spend data using VBA; used data to evaluate industry cyclicality; presented relevant data in charts extrapolating construction spend trends to gain insights for investment opportunities
- Crafted monthly reports outlining potential investment opportunities based on comparable company financial metrics, app user data trends, and changes in consensus forecasts for various companies within our investable universe
- Studied consultant reports, academic papers, government publications, and textbooks to understand the market demand and limitations of emerging clean technologies; crafted report and presented findings to investment committee
- Managed two other Research Associates to organize stock pitch competition for 20 west coast schools; organized outreach, coordinated planning sessions, and helped judge submissions (100% increase in submissions YoY)
- Read through proposed laws, US Copyright Office guidance, and various legal memos, then met with vendors & political analysts in one-on-one meetings to better understand legal complexities surrounding generative AI

### JPMorgan Chase & Co.

*Healthcare Investment Banking Summer Analyst*

New York, NY  
Jun 2021 - Aug 2021

- Received full-time return offer
- Researched product offerings, revenue growth rates, market share, and geographical concentration of competitors to assess prospects of target company and built relevant financial models to calculate relative value

## PERSONAL PROJECTS

### Ephemeral Notes Feature (Forked Codebase)

[github.com/alexdomnikov/reduced.to](https://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
- Added XSS protection via plain-text rendering; wrote unit tests ensuring deterministic compression
- Resolved Qwik-specific issues (QRL serialization, SSR hydration) while working in an unfamiliar codebase
- Tech stack: Qwik, Tailwind CSS, TypeScript, NestJS

### Full-Stack Stock Price Tracker & Visualization App

[github.com/alexdomnikov/Stock-Price-Checker](https://github.com/alexdomnikov/Stock-Price-Checker)

- Implemented secure user authentication using Flask-Login/Flask-Bcrypt for hashing and session management
- Integrated the Alpha Vantage API to fetch, parse, and handle errors for historical stock price data
- 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

- Interests: pickleball, board and card games, science fiction, LA Dodgers, astronomy, and Post-Impressionist art