



CONTACT

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EDUCATION

Bachelor of Business- (Finance)

- Simon Fraser University
2018-2023

ATTRIBUTES

- Creativity
- Communication
- Teamwork
- Meeting deadlines
- Friendly
- Critical thinking
- Resilience

LANGUAGES

English ● ● ● ● ●
Italian ● ● ● ● ●

Nolan Carey

I approach web development from a lens that may be seen as untraditional. Grounded in a solid quantitative finance background, my journey into the realms of web development is a testament to my adaptability and penchant for blending diverse domains. While many developers tread the conventional path, my foundation in financial modeling, mathematics, and statistics equips me with a unique analytical rigor.

This unorthodox blend is, in fact, my strength. It allows me to craft web solutions that are not merely functional but are also embedded with a depth of financial understanding. In essence, my web development expertise isn't confined to coding; it's enriched by a broader perspective that sees beyond just algorithms to their real-world implications in any sector.

SKILLS

- **Python (4 years):** I am well-versed in leveraging modern numerical and statistical libraries, including but not limited to NumPy, pandas. My experience extends to designing intuitive GUIs, and I've harnessed the capabilities of Flask and Django to craft both lightweight and robust web applications.
- **C++/C (2 years):** Specialized focus on advanced algorithmic design and data structures. I've delved deep into optimizing sorting algorithms and have extensively worked on implementing and refining data structures such as linked lists, stacks, and queues. My background ensures a comprehensive understanding of computational efficiency and robust systems design.
- **Flask (1 year):** My experience encompasses leveraging Flask's Jinja2 templating, integrating ORM solutions for seamless database interactions, and optimizing request handling. My expertise in Flask extends beyond mere application development. Recognizing the critical importance of security in today's digital age, I have hands-on experience in encrypting Flask applications to utilize HTTPS.
- **HTML/CSS/JS (2 years):** I have a foundational understanding of front-end development, grounded in HTML, CSS, and JavaScript. With HTML, I structure web content, while CSS allows me to design its appearance responsively. My familiarity with JavaScript aids in adding basic interactivity to web pages. Together, these skills enable me to craft straightforward and user-friendly web experiences.
- **Arduino & embedded systems(4 years):** I've successfully integrated various sensors and components to bring ideas to life. A standout in my experience is the development of functional robots, where I've merged software coding with hardware assembly to create responsive robotic systems.
- **Finance:** Possess a degree in finance with specialized training in derivative securities, financial modeling, and algorithmic trading. I've leveraged my academic foundation to utilize Python in advanced derivatives modeling, bridging the gap between financial theory and practical, computational applications.

EXPERIENCE

Founder/Developer **www.simple-fin.com**

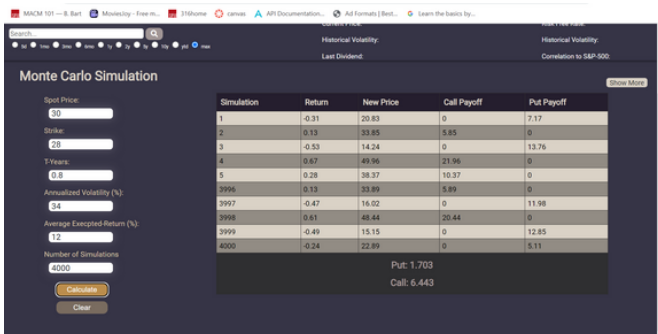
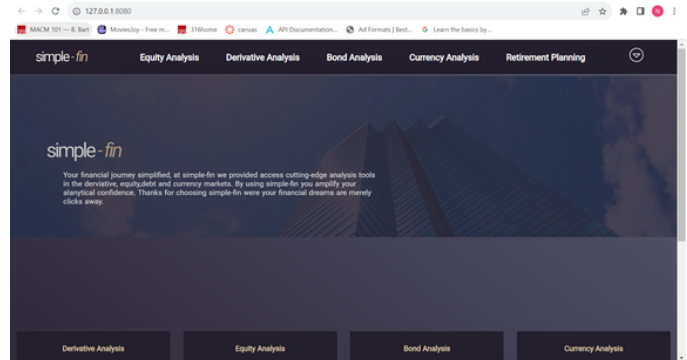
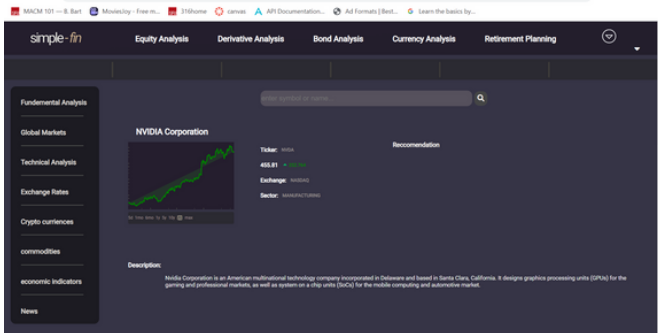
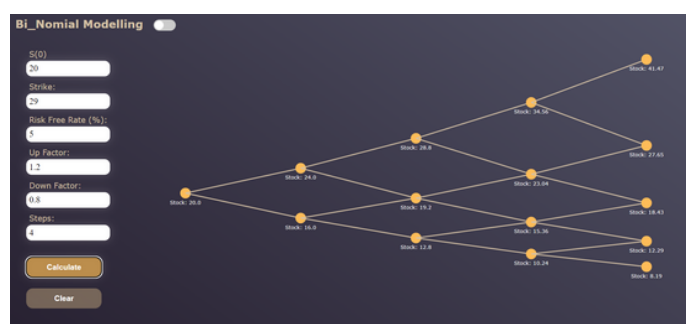
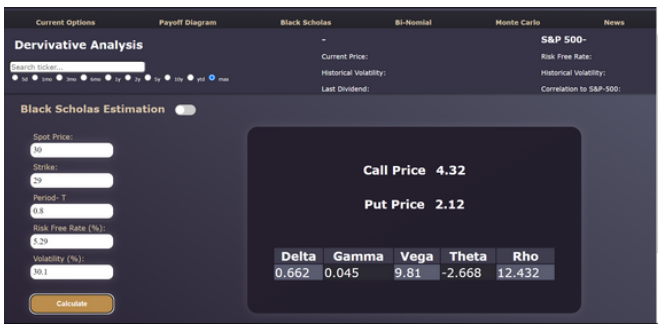
Simple-fin Application | www.simple-fin.com | In Development

sept 2022 - Present (examples next page)

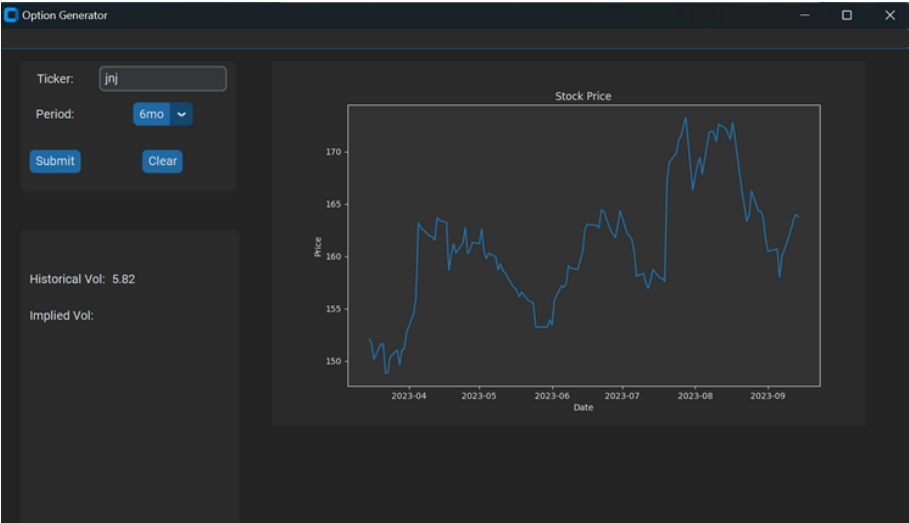
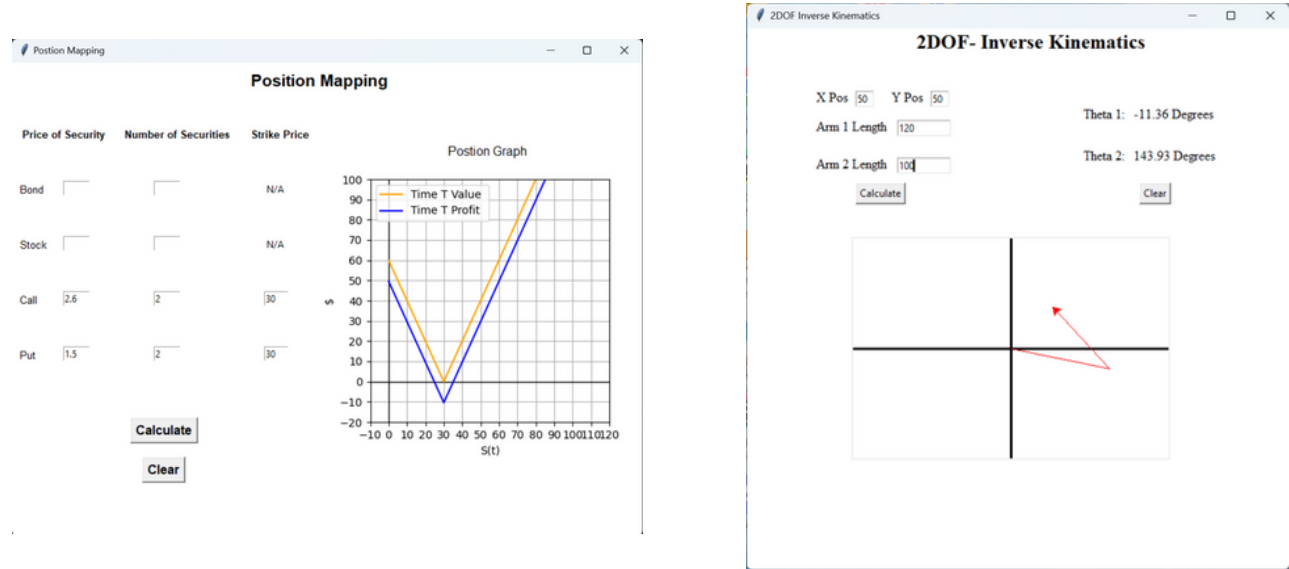
- Integrated third-party APIs to enhance website functionality and data sourcing.
- Added ad-banners strategically for optimized user experience and revenue generation.
- Embedded complex financial modeling techniques to provide detailed financial insights.
- Incorporated live market analysis, offering users real-time insights on puts and calls.
- In progress: Integration of a comprehensive retirement planning module and detailed bond analysis to further enhance financial toolset for users.

Projects page(1)

Examples www.simple-fin.com (still in development)



Projects page(2)-Examples of GUI's/Volatility Surface



Volatility Surface

