

# Benjamin D. Lombardo

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## Education

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**Georgia Institute of Technology | Atlanta, GA**  
Master/Bachelor of Science in Computer Science, GPA 4.00  
Threads: Intelligence and Theory

*August 2020 – May 2024*  
Faculty Honors, Dean's List

**International Baccalaureate Diploma | Fort Myers, FL**  
GPA 5.93 – Top 1% of my graduating class and all Lee County schools

*August 2016 – May 2020*  
Math Team Captain, National Honor Society

## Experience

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**Guaranteed Rate**  
Software Engineer Intern

*May – August 2021*  
Chicago, IL

- Implemented new features in the company's page builder tool, now utilized by hundreds of employees.
- Decreased loading times across the entire site by 80% by optimizing database calls and updating legacy code.
- Utilized React, Markdown, and HTML for the front-end of pages; JavaScript and Postgres for the back-end.

**Naples Gathering**  
IT Specialist

*2019 – current*  
Naples, FL

- Edited videos for online release with hundreds of weekly viewers, and audio mixing for national radio broadcasting.
- Designed banners, pamphlets, and provided general digital and graphic design expertise.
- Utilized Adobe Photoshop and Illustrator for the graphic design work; Filmora and Vimeo for the video editing.

**Independent Contractor**  
Math Tutor

*2016 – 2019*  
Naples, FL

- Provided 1-on-1 math tutoring to students ranging from learning fractions to SAT prep.
- Covered textbook material in weekly lessons on pace with entire class schedules.
- Students gained a deeper understanding of their course material and achieved A's in future classes.

## Projects

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**Video Game | Lua, LOVE2D**

- Programmed a 2D side-scrolling video game from scratch with pixel animations and battle mechanics.
- Created an extensive level editor to speed up development and implementation of level design.
- Constructed a class inheritance system for enemies in a language that did not have classes.

**Yahtzee Computer | JavaScript, Python, Tkinter**

- Developed a new variation of the game Yahtzee! with random chance replaced with the strategy of chess.
- Programmed a perfect computer player from scratch based on the structure and strategies of top chess computers.
- Designed a UI in Tkinter to utilize the computer's analysis in real time.

**Bitcoin Trading Bot | Python, Binance API, Tkinter**

- Invented an algorithm for buying and selling cryptocurrency for gradual, low-risk profits.
- Expanded the program with a Tkinter UI to trade multiple cryptocurrencies concurrently.
- Designed asynchronous methods to detect and alert errors while keeping other trades intact.

## Awards

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**National Merit Scholar** – National Merit Scholarship Corporation – 2019

**Sunshine State Scholar** – Florida Department of Education – 2019

## Skills

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**Languages:** Python, Lua, JavaScript, React, Java, JavaFX, HTML, CSS, PHP

**Certifications:** Microsoft Office, Adobe Photoshop, Dreamweaver

**Technologies:** Adobe Illustrator, Wondershare Filmora, Postgres, VSCode, IntelliJ, Box, Dropbox, Vimeo, GitHub

**Classes:** Intro Object Oriented Programming, Data Structures & Algorithms, Computer Organization & Programming