

JACOB FU

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EDUCATION

University of Waterloo

Sep 2024 - Jun 2029

Bachelor of Computer Science and Finance – GPA: 3.95

Waterloo, ON

Awards: Robert Harding Entrance Scholarship (\$5000), President's Scholarship of Distinction (\$2500)

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML/CSS

Frameworks: React, Node.js, Next.js, Express.js, WordPress

Developer Tools: Git, VS Code, Visual Studio, IntelliJ

Libraries: Pandas, NumPy, Matplotlib, yfinance

EXPERIENCE

Non-Profit Organization Consulting (NPOC) Associate

Sep 2024 – Present

University of Waterloo

Waterloo, ON

- Developing a full-stack website for NPOC using **Next.js**, **JavaScript**, and **HTML/CSS** to enhance the organization's online visibility and streamline the application process for interested clients.
- Analyzing clients' social-media data to provide actionable insights on brand visibility and engagement.
- Using **BeautifulSoup** to web-scrape articles and news to provide clients with insights on potential opportunities.

Digital Multimedia Designer

Jun 2024 – Sep 2024

1000 Islands Gananoque Chamber of Commerce

Gananoque, ON

- Redesigned their outdated website to improve usability visual appeal, and site performance and responsiveness, resulting in a **65% increase** in weekly unique visitors, and **120% increase** in session duration
- Produced **100+ high-quality digital and print assets** for large-scale events using Adobe Photoshop and Canva
- Edited promotional social-media videos to garner **500+ impressions per video** using Adobe Premiere Pro

IT Solutions Intern

Sep 2023 – Feb 2024

Weehooy Inc.

Kingston, ON

- Built a user-friendly web application for a client to efficiently calculate employee bonuses based on performance scores using **JavaScript** and **HTML/CSS**, which 100+ employees are currently using
- Improved Weehooy's server maintenance script by automating the delivery of server analytics to IT using **PowerShell**
- Managed **30+ client servers'** system and security health, proactively identifying and resolving potential issues.

PROJECTS

Metro Apocalypse | *JavaScript, HTML/CSS, modd.io*

- Developed a zombie-tag multiplayer .IO game on modd.io, attracting **200+ concurrent players** and amassing over **4.2 million total plays** with **250,000+ unique players**.
- Generated over **\$1,800 CAD** and accrued **70+ monthly paying users** through subscription-based game perks on Patreon.
- Managed an active online community of **1,600+ users**, coordinating large-scale online events and driving engagement.
- Led a small team of developers to push out weekly content updates, including new items, maps, and game mechanics

AnonAlyze | *JavaScript, HTML/CSS, Next.js, Express.js, React, Tailwind CSS*

- Won **Best Security Hack** at York University's **CTRL+HACK+DEL Hackathon**
- Developed a full-stack web app using **OpenAI API** and **Apify API** to analyze user-inputted social-media profiles, generating a safety score and a personalized report on weaknesses, strengths, and recommendations to enhance online security.

Robo Investment Portfolio Advisor | *Python, Pandas, NumPy, yfinance*

- Built a program to recommend high-risk, high-reward stock portfolios based on list of stocks
- Developed a Python algorithm to effectively identify stocks with a high likelihood of outperforming the market.
- Cleaned and processed historical stock data using **Pandas** and **NumPy** before analysis.

Novel Novels | *JavaScript, HTML/CSS, React, Figma*

- Built a full-stack web app that converts novels into picture books using images generated by **Pollinations AI**.
- Designed the website's user interface using **Figma**, ensuring a visually appealing, user-friendly layout before development.