Felipe Martinez

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EDUCATION

University of Waterloo — 2022 – 2027
Bachelor of Honours Mathematics

EXPERIENCE

Technical Support Engineer — Jan 2024 – Present
Lynxfield — *Remote*
- Remotely accessed Lynxfield devices to reprogram them, addressing and resolving typically **under 6 hours**
- Developed a **Bash** script to automate an important daily task, saving up to **38%** of task time
- Performed **data entry** tasks directly on Lynxfield's online portals, generating **30+ page** reports containing detailed driver performance and statistics for clients
- Cross-referenced data with clients achieving **98.7%** accuracy across **250+** instances
- Tested a pre-release **Flutter** app to improve functionality and user experience

Math Tutor — May 2024 – Present
Self-employed — *Belleville*
- Delivered focused 1-on-1 tutoring sessions on a scheduled basis, emphasizing intuition and problem-solving techniques, resulting in students achieving **95%+ grades** on IB tests

PROJECTS

⊙ ▶ **Get Off IG Bot** | *Python, Instagrapi API, Cron, GitHub Actions*
- Engineered an Instagram automation bot with **Python** and the **Instagrapi** API to promote mindful scrolling habits by posting daily reminders, leveraging **Cron** and **GitHub Actions** for scheduling.

⊙ **Stock Advisor Bot** | *Python, BeautifulSoup API, Requests API*
- Implemented a comprehensive scoring algorithm based on key financial metrics (P/E ratio, dividend yield, debt-to-equity ratio, etc.) to determine stock valuation and performance
- Integrated portfolio analysis functionality to analyze multiple stocks simultaneously for ease-of-use and provide a summarized evaluation of potential investments
- Enhanced usability by handling edge cases and more general error handling

⊙ ▶ **DVD Logo Bounce** | *HTML/CSS, JavaScript*
- Implemented a comprehensive scoring algorithm based on key financial metrics (P/E ratio, dividend yield, debt-to-equity ratio, etc.) to determine stock valuation and performance
- Integrated portfolio analysis functionality to analyze multiple stocks simultaneously for ease-of-use and provide a summarized evaluation of potential investments
- Enhanced usability by handling edge cases and more general error handling

Chess Tournament | *UWaterloo/SJUniversity* — 2022
- Executive organizer for the **first** University of Waterloo & St. Jerome's University chess tournament

Canada-Wide Science Fair | *Golden Ratio: How to Be Beautiful* — 2016
- At **age 12**, **won** the 2016 Quinte Regional Science Fair out of **500+ competitors**, including high school students up to **6 years older** and qualified as a **national finalist** and competed in the Canada-Wide Science Fair
- Applied **statistical methods** (coefficient of determination, regression analysis) to evaluate objects in alignment with the Golden Ratio

SKILLS

Technical Skills: Python, Java, HTML/CSS, JavaScript, C, Bash, Lua, Racket
Tools: Linux (Arch, Debian), VMware, Neovim/Vim, VS Code, PyCharm, GitHub, Git, Wireshark, Excel
Social Languages: English, French, Spanish, Mandarin

EXTRAS

Creative & Misc. Tools: AutoCAD, *Blender*, GIMP, LaTeX, Cron, TREX, FL Studio, DaVinci Resolve
Interests: Soccer, chess, *music*, piano, reading, *photography*, no-stakes poker, *movies*, TV shows, podcasts, Youtube