

Ethan Micciola

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Analytical Software Engineering Technology student focused on **cybersecurity and full-stack development**, with profound proficiency in **Python, React and C#**. Built end-to-end projects including a **stock analysis & prediction software** (Tkinter, yfinance, scikit-learn) and an **AI financial budgeting web platform** using **Python/React, MongoDB, Plaid, Google Auth, and AWS Elastic Beanstalk**. Comfortable in Agile environments and grounded in **security fundamentals** including SIEM workflows, Linux, and the NIST risk

PROFESSIONAL SUMMARY:

- **Profound understanding of machine learning** concepts, **algorithms**, and **data structures**.
- **Proven capacity to effectively deliver quality** results in **fast-paced** and **high-volume** environments
- **Enhanced comprehension** of **Agile** practices and **user-oriented** design.
- Clear grasp of **security auditing**
- **Profound Knowledge of SIEM tools, Playbooks, Linux OS, NIST Risk Framework**
- **Proficient with: Python, MySQL, Node.js, Git, Flutter, Java and C#**

PROJECTS:

Stock Analysis & Prediction Software:

- **Integrates** top analysts trading strategies into **software using Python**
- **Tkinter** for window application creation
- Fetches stock data using **yfinance** library
- Integrates **Machine Learning** via **sklearn** library using **Linear Regression** for prediction

AI Financial Budgeting Website:

- **Programmed** in **Python and React**
- **Client Creation** stored in a **Secure Mongo Database**
- **Used GitHub** for efficient teamwork flow
- **Jira** used for **Task Division** and **Visible Workflow**
- **Hugging Face API** integrated for **AI Integration**
- **AI Financial Advisor** which gives insights on financial habits
- **Clean UI/UX** for Mobile and Desktop
- **Plaid API** for Bank Account detail Integration
- **Google Authentication** Implementation
- **AWS Elastic Beanstalk for Managed Webservice**

EDUCATION:

Software Engineering Technology – Advanced Diploma

Sept. 2023 – Present

Centennial College, Toronto, ON

Courses:

Software Engineering, API Engineering & Cloud Computing, Data Warehousing, Enterprise Application Development, Discrete Mathematics, Linear Algebra & Statistics, Software Security, Software Development Projects, Mobile App Development, Networking, Testing & QA, IT Project Management, AI Software Development, Enterprise Syst. Integration.

Experience:

Full-Stack Software Application Development, **Database Management**, Quality Assurance Testing, **SDLC; Agile & Waterfall, Database and Application Security, AWS (EBS, DynamoDB, S3 & RDS), Team Driven Projects, Solo Projects.**

Google Cybersecurity – Certification

August 2024 – Present

Courses:

Foundations of **Cybersecurity, Managing Security Risks, Networks and Network Security, Linux and SQL, Assets, Threats and Vulnerabilities, Detection and Response**, Automate Tasks with **Python.**

OTHER EXPERIENCE:

YLC - Customer Service Associate / Keyholder

Dec 2023 – Current

Toronto, ON

- **Assisting customers** with retrieving products
- **Order Handling** for customers
- **Assist customers** with product recommendations