

# Ethan Micciola

Toronto, ON

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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:

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- **Profound understanding of machine learning** concepts, **algorithms**, and **data structures**.
- **Proven capacity to effectively deliver quality** results in **fast-pace** 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:

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### 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:**

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**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:**

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**YLC - Customer Service Associate / Keyholder**

Dec 2023 – Current

Toronto, ON

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