

Hector Escobedo

<https://www.hectorescobedo.com>

EXPERIENCE

Obsidian Systems

Director of Information Infrastructure November 2019 – July 2021

- Initiated plan to progressively upgrade company's internal software tools and IT infrastructure
- Developed new security policies and open source vulnerability disclosure process

Software Engineer June – November 2019

- Led development on a custom management interface for Tezos blockchain smart contracts
- Collaborated with quality assurance team to achieve fully reproducible regression testing

Summit Securities Group

Analyst May – August 2018

- Backtested algorithmic trading strategies produced by colleagues on financial market data
- Created equity market statistical models and visualizations using NumPy and pandas

Rochester Institute of Technology

Undergraduate Research Assistant June – August 2017

- Researched the behavior of corner vortices in simulated flows of polymer solutions
 - Converted CFD differential equations into executable C++ code using OpenFOAM software
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EDUCATION

Rochester Institute of Technology

Bachelor of Science, *cum laude* August 2015 – May 2019

Major in Computational Mathematics 3.44 GPA

Minor in Ethics *College of Science Dean's List, 5-time honoree*

SKILLS

Security

- Blockchain technologies
- Elliptic curve cryptography
- Secure system configuration
- Vulnerability scanning

Free + open source

- Linux operating systems
- Git version control
- Virtualization

Mathematics

- Abstract algebra
- Numerical analysis
- Graph theory
- Stochastic processes

Programming languages

- Haskell
- Python
- C / C++