

## EXPERIENCE

### **Fortior Blockchain, LP | Founder**

Sheridan, WY | 2021-2023

- Won \$425,000.00 in grants for blockchain infrastructure, governance, and AI software development
- Wrote 8 research papers, filed 4 patent applications, and developed 5 open software stacks to win full awards
- Wrote, negotiated, and closed several software services contracts up to \$210,000.00
- Managed software security project and audit for public release by Kudelski Security
- Developed full-stack software to production testing for voting, gaming, and compliance

### **Allen Institute for Artificial Intelligence | Corporate Contractor**

Bellevue, WA | 2020-2021

- Wrote and developed corporate policies and procedures.
- Audited open source software for licensing and intellectual property

### **Stanford Law School | Fellow**

Palo Alto, CA | 2020

- Published research on machine learning patents
- Developed artificial intelligence technologies for patent valuation

### **Martian Technologies, LLC | Founder**

Pittsburgh, PA | 2018-2019

- Incorporated company with federal contracting clearances
- Developed software simulations for lunar lander technology using machine learning

### **Eckert, Seamans, Cherin & Mellot | Associate**

Pittsburgh, PA | 2017-2018

- Experiences assisting partners and lead attorneys with cases involving IP litigation, data privacy and security, commercial contracts, and government contracts
- Admitted to PA Bar, in Good Standing.

## ACCOMPLISHMENTS

### ***Book***

Overview of High Technology Patents (2021). Publication with the American Bar Association in Fall 2023.

### ***Hackathon Winner***

MIT Bitcoin Expo Hackathon Top Prize Winner (2021).

### ***Select Publications***

Reinforcement Learning Patents: A Transatlantic Review, TTLF No. 63, Stanford Law School (2020).

The Perils & Promises of Artificial General Intelligence, J. Leg. No. 45 (2018).

Automated Source Selection Scoring & FAR Compliance, 48 Pub. Cont. L.J. 751 (2019).

Presented at Stanford Law School, CodeX.

AI Patents: A Data Driven Approach, 19 Chi.-Kent J. Intell. Prop. 407 (2020).

Applied Natural Language Processing for Law Practice, 2020 B.C. Intell. Prop. & Tech. F. (2020).

Quantum Patents, BU J. of Sci. & Tech. 27 (2020).

Quantum Machine Learning, Case Western Reserve Journal of Law, Technology & the Internet 12 (2020).

Deep Reinforcement Learning Patents: An Empirical Survey, UCLA J. of Law and Tech. (2020).

### ***Select Inventions***

U.S. Patent 11,613,384, Precision Landing for Rockets using Deep Reinforcement Learning (2021).

U.S. Patent Application 17,669,304, Methods and Device for Autonomous Rocketry (2022).

Flagged by NASA Licensing and Review for Significant Utility in Space Activities.

U.S. Patent Application 17,410,676, Decentralized voting using quantum intelligence (2021).

U.S. Patent Application 17,194,823, Biotechnology for curing hypothyroidism (2021).

## EDUCATION

### **University of Notre Dame Law School, J.D.**

Notre Dame, IN | 2018

- John Krupnick Award for Excellence in Trial Advocacy
- Academic Merit Scholarship

### **Washington & Jefferson College, B.A.**

Washington, PA | 2015

- Varsity Wrestling, Team Captain
- Academic Merit Scholarship