RYAN ANDREW TONER

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GOAL

Seeking an internship to enhance my skills and explore my passion for computer science, data science, and mathematics.

EDUCATION

Rensselaer Polytechnic Institute   Expected Graduation May 2021

- Computer Science & Mathematics

Fairfield University   Fall 2017-Spring 2018

- Computer Science & Mathematics - First Year GPA: 4.00
- Harvard CS50x

WORK EXPERIENCE

FAA / Fairfield University   2016-17

- Presenter, 36th Annual Digital Avionics Systems Conference (DASC), St. Petersburg, FL
- C. Yao, A. Rusu, A. Danick, R. Hingorani and R. Toner, "Aircraft conflict resolution cataloguer," *2017 IEEE/AIAA 36th Digital Avionics Systems Conference (DASC)*, St. Petersburg, FL, 2017, pp. 1-10, DOI: 10.1109/DASC.2017.8102101
- Collaborative Research and software development, managing databases, algorithm creation and implementation

Wooster School   2016-Present

- Launched and Coordinating School Open-Source initiative on GitHub
- Created and continuing multi-year project to manage custom-tailored website for school jobs and self-help system
- Managed client relationships, bug testing, system architecture, security implementation, project feature evolution, maintenance, and documentation

Personal Research   2018

- Currently investigating Symbolic Computation and Efficient Symbolic Differentiation
- A Non-Recursive Linear O(n) Approach to Symbolic Derivative Calculation

Deadly Demon Games   2016-18

- System Architect for *Opilan: Destiny Rising* Application

AWARDS/ RECOGNITION

Fairfield University/ Sikorsky Aircraft Co.   2018 & 2016

- Role Model Speaker at Sikorsky Prize Award Banquet
- Recipient of Excellence in Mathematics and Science Sikorsky Prize

Pratt & Whitney Museum, East Hartford, CT   2017

- Presented *Aircraft Conflict Resolution Cataloguer* at 2017 Grant Expo

NASA Connecticut Space Grant Consortium   2017

- Student Travel Grant Recipient for *Aircraft Conflict Resolution Cataloguer* paper

Wooster School   2017

- James S. Hammer '63 Award
- John Hart Spittle '37 Prize for Excellence in Science
- Senior Independent Study Commendation