# RYAN ANDREW TONER

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## 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

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## 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

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## 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