

## Madeline “Mac” McDonald Gagné

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### EDUCATION

- **PhD in Operations Research**  
North Carolina State University, Engineering Department (2021-Present)
- **Bachelor of Science in Mathematically Applied Strategy, Graduation with High Distinction**  
Duke University, Mathematics & Program II Departments (2017-2021)
- **International Baccalaureate High School Graduate, Valedictorian**  
Dublin Coffman High School (2013-2017)

### PROMINENT PROFESSIONAL EXPERIENCE

#### **Northrop Grumman Space Systems Operations Research & Systems Engineering Intern | Sterling, VA 2021**

- Brooke Owens intern to the Future Concepts Team. Focus on corporate strategy and wargaming.

#### **NOAA National Weather Service- Intern | Washington, D.C. 2020**

- Operations intern studying fire weather prediction and emergency management procedures.

#### **Center for Strategic and International Studies- Intern | Washington, D.C. 2018 and 2019**

- Quantitative research intern working for the Defense Industrial Initiates Group. Focus on defense acquisition trends, budgetary analysis, policymaking, and artificial intelligence.

### RELEVANT CREATIVE ENDEVORS

#### **Freshly Squeezed Pulp’s The Adventures of Tarzan®- Writer, Producer, Editor, Graphic Designer, Group Co-Founder and (Co-)President, Voice Actress for Jane Porter 2018-2021**

- Produced a 19 episode podcast in the style of old-time radio that modernized the original Tarzan novels. Widespread local media coverage and a panel discussion at Pulpfest 2021. Licensed by Edgar Rice Burroughs Incorporated in 2020-2021.

#### **Freshly Squeezed Pulp’s The Adventures of Tarzan®: Hazel Strong: Adventure of a Lifetime- Writer, Producer, Editor, Graphic Designer, Voice Actress 2019-2021**

- Produced and solo-wrote a 1-hour holiday spinoff special centering a prominent women of color lead. Debuted a uniquely queer-led Tarzan narrative.

#### **Adventures of the Forget-Me-Nots- Voice Actress for Captain Iroya Meldin 2021-**

#### **Something from Nothing Podcast- Cryptids and Coffee Co-Host 2021-**

#### **And Then There Were None: A Modern Rendition- Co-writer, Co-director, Editor 2016-2017**

- Short film senior arts project, submission to the All-American High-School Film Festival

#### **A Set of Silver Doors- Writer, Director, Editor 2015-2016**

- Short film, submission to the All-American High-School Film Festival

#### **PBS WOSU In The Know: Quiz Bowl Contestant 2015**

#### **Columbus Neighborhoods Clintonville Series: Actress playing young Cynthia Bull 2013**

#### **TEDx 2021 Speaker: Stories and Simulations: A Living Proof**

#### **TEDx 2016 Speaker: Paper Dreams and the Pentagon**