

# Matthew Cronin

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## EDUCATION

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### Brigham Young University – Idaho

Bachelor of Science in Mechanical Engineering | Mathematics Minor

Rexburg, ID

Dec 2020

- 3.79 GPA
- Dean's List (6 semesters)
- Recipient of Mechanical Engineering Department Academic Scholarships (4 semesters) and other academic scholarships
- Nominated for Outstanding Mechanical Engineering Senior (*Jan 2018*)
- Chairman | American Society of Mechanical Engineers (ASME) | Aug 2018 - Present
  - Directed society in Student Section Competition, winning 1st place
  - Oversaw initiation of student section and growth to 80+ members
- Expanded proposal writing abilities while participating in Honors Program courses and extra-curricular projects
- Relevant Coursework Competencies: statistics analysis and interpretation using SAS, thermodynamics, mechatronics, dynamic systems and controls, analyzing numerical data and reporting trends, computer coding in C++ and Matlab, professional and technical writing, budgeting, engineering design and analysis

## EXPERIENCE

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### Federal Bureau of Investigation

Honors Intern

Salt Lake City, UT

Jun 2019 - Present

- Obtained Active Top-Secret FBI Security Clearance and successfully passed full background investigation and polygraph
- Organized and compiled evidence for Special Agent cases, including thousands of texts and photos for legal review
- Analyzed and processed numerical and text data to increase efficiency of Special Agent investigations and case work
- Coordinated and conducted key facets of FBI community outreach programs to children and teenagers
- Provided professional engineering opinion concerning mechanical evidence in spy/espionage investigations

### Mechanical Engineering Department | Utah State University

Ergonomics Team Lead

Logan, UT

Aug 2018 - May 2019

- Collaborated as part of 5-member student engineering team to design and manufacture a rickshaw device which enabled disabled individuals to experience outdoor hiking trails (for a local non-profit organization)
- Directed user-interface design element of rickshaw to make final design more user-friendly, in addition to fulfilling customer-specified requirements
- Presented and communicated engineering ergonomic design elements to customer and sponsor

### Brigham City Recreation

Tennis Director/Instructor

Brigham City, UT

(Summers Only) May 2018 - Aug 2018

- Facilitated advanced tennis skills in 60-70 beginner-to-advanced level tennis students weekly and managed 10-12 instructors
- Promoted from instructor to director after 4 months of experience, due to professional maturity and trustworthiness
- Enhanced organizational and leadership skills while coordinating trainings and competitions for league members, ages 12-17
- Demonstrated diplomacy and conflict resolution to build healthy communication between parents, students, and instructors

## VOLUNTEER

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### Mechanical Engineering Department | Utah State University

Intro to Mechanical Engineering Course Mentor

Logan, UT

Jan 2018 - May 2018

- Mentored freshmen regarding internship and career possibilities, specifically FBI and Navy Nuclear Engineering

### The Church of Jesus Christ of Latter-day Saints

Full-Time Volunteer Representative

Asuncion, Paraguay

Dec 2015 - Dec 2017

- Invested 80+ hours per week teaching life improvement principles in Spanish and Guarani, to diverse groups and individuals
- Acquired strong proficiency in both written and spoken Spanish and Guarani within 2 months
- Supervised and motivated 6-20 full-time volunteers, coordinated trainings, and organized service projects and meetings

## SKILLS/ACCOMPLISHMENTS

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- Received Navy Nuclear Propulsion Officer Program (NUPOC) acceptance offer (Aug 2016)
- Maintained 3.84 GPA while investing up to 20 hours per week on rugby team and taking 16 engineering credits
- Graduated Valedictorian, elected 3 years to student government, and received 2 academic all-state awards in cross country and tennis while in high school (2009 – 2012)
- Interests: Skiing, tennis, backpacking, river rafting, saxophone, bag pipes, piano, American and military history