

# Jason Savath

Albuquerque, NM

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## EDUCATION

<b>University of Colorado at Boulder</b>	Boulder, Colorado
<b>Bachelor of Science in Mechanical Engineering with Computer Science Minor</b>	2017
<b>Engineer-In-Training</b> (Passed Fundamentals of Engineering Exam)	2017

## SKILLS

### *Software and Programming Skills:*

- **6 MO Experience:** CorelDraw, Heroku, Bootstrap, Pivotal CRM
- **1 YR Experience:** Wolfram Mathematica, AutoCAD, CSS
- **2 YR Experience:** C, C++, Python, Android Apps, SQL Database, HTML, Arduino
- **3 YR Experience:** MATLAB, GitHub, Microsoft Visual Studios
- **4 YR Experience:** Java, Unity3D, JavaScript
- **5+ YR Experience:** SolidWorks, C#, Microsoft Office (Word, Excel, PowerPoint)

*Other Skills:* Welding, soldering, prototyping, RegEx, AWK, SED

*Concepts:* AGILE/Scrum, Validation, Gauge R&R, Lean Manufacturing & 5S,  
Advance Product Quality Planning, Production Part Approval Procedure

*Language Skills:* Fluent Chinese, Proficient Laotian, Beginning Spanish

## EXPERIENCE

<b>Mechanical IMI Graduate – Lean Operations</b>	September 2018 – Current
IMI Precision Engineering	Rockford, Illinois

- 5S Program Manager – Raised shop 5S score by 40% by introducing cross-cell audits.
- Led a kaizen event to redesign a cell to increase throughput and achieve one-piece flow.
- Led the full implementation of a factory floor quality system from a non-existing system.
- Implemented visualization and management boards to track cell level key performance indicators.

<b>Mechanical IMI Graduate – Business Development</b>	March 2018 – September 2018
IMI Precision Engineering	Las Vegas, Nevada

- Researched and analyzed over 800 unique customers for the new Cadent3 product.
- Generated over 200 leads for the new Cadent3 product.
- Led biweekly meetings with 6 Key Account Managers to present new customers and leads.
- Maintained a database of leads through Pivotal, a CRM software.

<b>Mechanical IMI Graduate – Project Management</b>	September 2017 – March 2018
IMI Precision Engineering	Seattle, Washington

- Project managed 25 simultaneous change request projects.
- Led weekly technical meetings for release updates and approvals.
- Created two database management websites using Visual Studios and MySQL.
- Specified product validation test procedures prior to product build.
- Designed and built Arduino test boxes for an NPD project.

<b>Mechanical Engineer PATHWAYS Intern</b>	January 2017 – June 2017
National Institute of Standards and Technology	Boulder, Colorado

- Designed and modeled a quantum technology laboratory using SolidWorks.

- Researched and facilitated the manufacturing of chips/devices for real-world quantum computing through nanotechnology.
- Gathered data using a network analyzer and spectrum analyzer.
- Designed a mutual inductance radio frequency band pass filter using coplanar waveguide with the Quite Universal Circuit Simulator.
- Held design reviews with team and management to receive feedback.

### **Mechanical Engineer and Financial Manager**

August 2016 – May 2017

Ball Aerospace – CU Boulder Senior Design Class

Westminster, Colorado

- Designed an auto balancing radar cross-section fixture with a team of 8 engineers.
- Modeled and calculated stress analysis, balance and inertia, mechanism design, control systems, interface definition, dynamic volume constraints, and functional testing.
- Managed the budget, procurement of materials, and reimbursements for the team.
- Experienced full design process with PDR, CDR, and manufacturing review.
- Built a test box using Arduino and related electronic components to control the fixture
- Further refined SolidWorks and MATLAB skills.

### **Student Research & Development Intern**

June 2014 – July 2016

Sandia National Laboratories

Albuquerque, New Mexico

- Developed a real-time tracking security and safety system using C# and radio frequency tags.
- Used .NET and SQL Server to incorporate a relay module and an AC&D system.
- Programmed the security and safety system using C#, and used WPF for the User Interface.
- Developed an interactive strategic tabletop tool using Unity3D (C# and JavaScript).
- Developed code in C# and demo for smart card authentication and cyber security.
- Developed a variety of interactive training programs in C# and JavaScript.

### **Aerodynamics Team Member**

January 2012 – May 2012

UNM FSAE (University of New Mexico, Formula Society of Automotive Engineers) Albuquerque, New Mexico

- Collaborated with 16 team members to build a lightweight racecar from scratch.
- Worked hands-on with carbon fiber and fiberglass using hardening resin.
- Won 10<sup>th</sup> place out of 80 teams at the FSAE-Lincoln race.

## **VOLUNTEER WORK & COMMUNITY INVOLVEMENT**

August 2009 - Current

- Completed over 400 hours of community service. Includes Balloon Fiesta, Big Brothers Big Sisters, Food Banks, the NFL games, and various illness support walks such as the March of Dimes.
- Government paid Arabic course given to 25 people in New Mexico (StarTalk).
- Artist Participant in the Albuquerque Metro Art Show and received the Merit Award.
- Scholarships Awarded: Kiwanis, Phillips 66, Kenneth Forsythe, and William J. and Marvel B. Loach

## **LEADERSHIP**

### **Treasurer/Fundraiser of CollaborASIAN**

April 2015 - April 2016

- Unified and managed 8 smaller organizations on campus.
- Managed budget and spending of the organization.
- Raised \$1500 in one night through a fundraising event to support the organization.

Boulder, Colorado

### **Treasurer/Fundraiser of Pi Delta Psi Fraternity Inc.**

April 2015 - May 2017

- Managed the budget, bank account, and reimbursements for each member.
- Raised over \$1,500 for the Nepal earthquake incident through the annual CodeRED event.
- Raised over \$500 a year for breast cancer awareness and donated to various charities.

Boulder, Colorado