

Bradley Weber

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Software Portfolio

<https://weberbs.github.io>



Education

M.S. Computer Science, University of Texas at Austin, Remote

Graduation: Dec 2021

- Flexibility to work full time during program

B.S. Chemical Engineering, Brigham Young University, Provo, UT

Graduation: April 2017

- 3.8 GPA

Research Assistant

PRISM Optimization Group, Provo, UT

Sep 2015 – Dec 2016

- Optimized UAV flight for long linear features, improving model accuracy by 150%
- Developed python code to place coordinates in UAV flight software
- Awarded **\$8,000** in additional funding through grant proposal

Work Experience

Owens Corning

Furnace and Alloy Leader, Amarillo, TX

Jan 2019 – August 2020

- Lead team of furnace operators to ensure safe melting of **50,000 lbs/hr** of glass
- Lead team of mechanics responsible for security, set up, storage and delivery of **\$50,000,000** of precious metal
- Daily management and troubleshooting of all combustion and glass delivery equipment
- Developed software to predict glass properties based on plant activity and supplier data

Manufacturing Leadership Program, Amarillo, TX

May 2017 – January 2019

- Led team of 30 employees responsible for **300000 lbs/shift** of fibreglass
- Implemented binder process changes saving **\$20,000/yr**
- Developed software for quality systems check reducing CONQ by **\$15,000/yr**

Engineering Intern, Delmar, NY

May 2016 – Sep 2016

- Designed and ran DOE, improving fluid mechanics of Blow Wool saving **\$3000/yr**
- Worked with contractors to fabricate safety platform, reducing job risk factor by 30%
- Trained engineers and operators on use of ProFicient an SPC monitoring software

ATI Metals

Process Engineer Intern, Rowley TI Sponge Plant, UT

May 2015 – Sep 2015

- Reduced pressure check cycle time up to 4 hrs. increasing profitability by **\$50,000/yr**
- Utilized lean/six sigma techniques to reduce lid assembly time by 10%
- Redesigned crucible blowout system, improving safety and product quality

Skills/Certifications

Certifications

- Proficient in Python, C, Java, Kotlin, and SQL
- Certified Engineer in Training – Texas Board of Professional Engineers
- Six Sigma Greenbelt Certified – Villanova University