
CHRIS ABREU

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MECHANICAL ENGINEER

- AutoCAD, Solid Edge, Autodesk Revit, SAP2000, MATLAB, Pro/ENGINEER
 - Microsoft Word, Excel, Access, Publisher, Outlook, and PowerPoint
 - Language: Proficient in Spanish (verbal/written); basic French
 - Certification: Engineer-in-Training [Fundamentals of Engineering Exam (FE)], sitting June 2019
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EDUCATION

University of Illinois at Chicago (UIC), College of Engineering

Chicago, IL

Bachelor of Science in Mechanical Engineering

Anticipated May 2019

GPA: 3.3/4.0

ENGINEERING COURSEWORK: Heat Transfer, Fluid Mechanics, Mechanical Vibrations, Engineering Graphics and Design, Materials for Manufacturing, Statics/Strength of Materials, and Engineering Dynamics

Harold Washington College

Chicago, IL

Associate in Engineering Science

December 2016

GPA: 3.5/4.0

RELATED EXPERIENCE

Design Project, Environmental enclosure for a battery discharging device

Spring 2018

- Successfully led a group of five students to build an environmentally safe enclosure for NiCad batteries.
- Conducted numerous experiments to optimize device functionality and safety.
- Wrote reports, collaborated on a poster display, and presented the design to engineering professionals at the annual UIC Engineering Expo.

Freedman Seating, *Engineering Intern*, Chicago, IL

August 2017-December 2017

- Assisted project engineers with designing new, and modifying existing, materials to help improve production.
 - Assembled transit seats that will be used on public transportation vehicles, according to prints for user lab testing. Also redesigned part models, layouts, and drawings using Solid Edge software.
 - Performed Finite Element Analysis (FEA) simulations and manipulated plain carbon, HSLA, and stainless steel to develop sustainable prototypes.
 - Supported engineers in updating engineering assembly instructions for over 50 different components and detailed mechanisms, following standard operating procedures (SOPs) when necessary.
 - Submitted 10 request for changes (RFCs) to update SOPs for older production lines to help reduce cost and increase efficiency.
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ADDITIONAL EXPERIENCE

UIC Office of Career Services, *Administrative Aide*, Chicago, IL

August 2016-Present

- Provide students, faculty/staff, and employers with information related to office services.
 - Support staff with daily administrative needs such as scheduling appointments, distributing information, and representing the department at various events.
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MEMBERSHIPS

- Pi Tau Sigma: Mechanical Engineering Honors Society, Spring 2018-Present
- American Society of Mechanical Engineers, September 2017-Present