Umut Amac ALPTEKIN

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Education

The Coding Boot Camp at UT Austin   **Sep 2020 – Dec 2020**
Full Stack Web Development
◆ *Covered Topics: HTML5, CSS, JS, jQuery, API, JSON, AJAX, MERN Stack, MySQL, Laravel, Git, Heroku, Responsive Design, Local Storage, Session Storage, User Authentication, PWAs and more*

The Pennsylvania State University, University Park, PA, USA   **Aug 2016 – May 2020**
B.S. in Mechanical Engineering – GPA: 3.40

Pforzheim University, Pforzheim, Germany   **May 2018 – June 2018**
Summer Study Abroad Program – Industrial Engineering
◆ Classes: Production & Supply Chain Management, and Engineering in Manufacturing
◆ Tours to plants of Mercedes-Benz (Rastatt), Volkswagen (Berlin), and Audi (Neckarsulm)

Work & Project Experience

Shell Eco-marathon Competition   **Jan 2020 – May 2020**
Capstone Project, Penn State University
◆ Built an exceptionally fuel-efficient car for the competition as a team under a $3000 budget.
◆ Created, shaped and refined the outer panels out of fiberglass to help make the vehicle lightweight, sturdy, aerodynamic, and compliant with competition's safety rules.
◆ Managed the shipping the vehicle to and from the raceway and arranged hazardous material shipment.

Manufacturing Engineer Intern   **May 2019 – Aug 2019**
CN Wire Corporation, Santa Teresa, NM
◆ Analyzed root causes of non-conforming or returned products and took preventative actions.
◆ Optimized the work area of the operators to reduce their movement time and increase efficiency.
◆ Financial analysis on the consumables used in production to save $3000/year.
◆ Routinely checked the machine speeds and settings to make sure the production is on track.
◆ Improved the comprehensibility of the SAP system for American, Turkish and Mexican workers in the facility.

Technical Project   **Sep 2018 – Dec 2018**
ME 340 (Mech. Eng. Design Methodology), Penn State University
◆ Collaborated with teammates to design and build a puzzle box to be given to an elementary school.
◆ Translated customer needs into design objectives, generated design concepts, and refined the best design concept using decision matrices. Prepared a proposal and a final report for our design, built multiple prototypes.

Certifications & Skills

◆ Certified SolidWorks Associate
◆ Six Sigma Green Belt from IISE
◆ GD&T Intermediate Principles from IIGDT

◆ Software: SolidWorks, SAP ERP, MATLAB, SketchUp, MS Office
◆ Turkish (native), English (fluent), French (intermediate)