Mitchell Arndt

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EDUCATION

Purdue University | West Lafayette, IN   **Class of 2022**
Bachelor of Science in Electrical Engineering – Honors College
Computer Science Minor, Certificate of Entrepreneurship and Innovation
GPA: 3.95

EXPERIENCE

Autonomous Motorsports Purdue | West Lafayette, IN   **May 2019 – Present**
Electrical Lead Engineer
  ➢ Designed self-driving race car to compete at the Indy 500
  ➢ Created custom PCB using KiCad to route control signals from TI microprocessor to servo motors
  ➢ Designed C code on TI microcontroller to interpret serial commands and output digital and analog control signals

Purdue Neurological Group | West Lafayette, IN   **Dec 2019 – Present**
Undergraduate Research Assistant
  ➢ Designed/Programmed data collection circuitry for measuring the forces of a football tackle

Card Connect | Phoenix, AZ   **May 2019 – Present**
Software Development Intern
  ➢ Automated payroll system using JavaFX to streamline the employee payment process
  ➢ Developed program to analyze Google AdWords for efficient pay per click lead bidding

First Data Independent Sales | Phoenix, AZ   **May – Aug: 2018 – 2019**
Sales Agent
  ➢ Assisted clients with the EMV chip card setup for their POS system in order to eliminate charge backs

Autonomous Robot Team – Honors Engineering | West Lafayette, IN   **Aug 2018 – May 2019**
Software Design Lead
  ➢ Worked with Python to develop autonomous algorithm to guide robot through maze, map surrounding environment for electrical and thermal hazards, and avoid physical obstacles

LEADERSHIP & PHILANTHROPY

Zeta Beta Tau Fraternity — Athletics Chair, Freshman Class President   **2018 – Present**
  ➢ Puppies on the porch, Get on the Ball (Riley's Children Hospital), PUDM

Boys Team Charity — President, Secretary, Achieved Above and Beyond   **2012 – 2018**

National Honor Society — Treasurer   **2017 – 2018**

Student Ambassador — Co-President   **2017 – 2018**

SKILLS & CERTIFICATIONS

Programming Languages: Java, JavaFX, C, Python, MatLab

Technical Skills: LTspice, KiCad, Git/Github, Verilog

Lab Certification: Biotility National Certification for Biotechnician Assistant (2018) – Certified from Florida St. University

ACADEMIC HONORS & AWARDS

  ➢ Purdue University Dean's List (3 Semesters)
  ➢ Charros Male Student of the Year (2018)
  ➢ First Team National Football Foundation's Scholar Athlete (2018)
  ➢ Scholarship for Outstanding Student-Athlete (2018)
  ➢ AP Scholar with Distinction Award (2017)
  ➢ Outstanding Student Award:
    ➢ 4 Year Math and Science (2018)
    ➢ BC Calculus (2017), Calculus III/Differential Equations (2018)