**Mitchell Arndt**

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(602) 576-5105 | mitchaarndt@gmail.com

**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**

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| * 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) |