Mitchell Arndt

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

EDUCATION

Purdue University | West Lafayette, IN   **Class of Fall 2021**
Bachelor of Science in Electrical Engineering – Honors College
Computer Science Minor
Certificate of Entrepreneurship and Innovation   GPA: 3.95

Purdue University | West Lafayette, IN   **Class of Fall 2022**
Master of Science in Computer Architecture

EXPERIENCE – view online portfolio at https://marndt26.github.io/

Autonomous Motorsports Purdue | West Lafayette, IN   **May 2019 – Present**
Electrical Lead Engineer
➢ Designed self-driving race car to autonomously navigate the track at high speeds
➢ Created custom PCB using KiCad to route control signals from microcontroller to electrical subsystems
➢ Designed C code on microcontroller to interpret serial commands and output analog and digital control signals

Purdue Neurotrauma Group | West Lafayette, IN   **Dec 2019 – Present**
Research Assistant
➢ Designed data collection circuitry for measuring the forces of a football tackle
➢ Programmed microcontroller to collect 120 analog channels at a 1kHz sampling rate and write data to SD card

Northrop Grumman | Chandler, AZ   **June 2021 – August 2021**
Electrical Engineering Intern in Launch Vehicles Division
➢ Designed graphical RSS Error Budget Analysis Tool for analog avionics sensors using Python and JavaScript

E3 Displays | Phoenix, AZ   **May 2020 – August 2020**
Electrical Engineering Intern
➢ Designed and implemented ventilator touch display manufacturing test bench
➢ Designed embedded system to automate adhesive dispensing with precise mass and temperature

Card Connect | Phoenix, AZ   **May 2019 – Present**
Current Software Consultant
➢ Produce new business management applications based on growing and changing needs

Software Development Intern
➢ Automated payroll system using JavaFX to streamline the employee payroll 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

LEADERSHIP & PHILANTHROPY

Tau Beta Pi Engineering Honor Society   **Spring 2020 – Present**

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

SKILLS & CERTIFICATIONS

Programming Languages: C, C++, Java, JavaFX, Python, Nodejs, Vue, Arduino, MATLAB

Technical Skills: System Verilog, QuestaSim, Design Compiler, Git/GitHub, KiCad, STM CubeMX, LTspice

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

ACADEMIC HONORS & AWARDS

➢ Purdue University Dean's List: Fall 2018, Spring 2019, Fall 2019, Spring 2020, Fall 2020, Spring 2021