

KONRAD ROZANSKI

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EDUCATION

University of Notre Dame

Bachelor of Science | Electrical Engineering

Notre Dame, IN

May 2022

North Central College

Bachelor of Science | Physics | GPA: 4.0/4.0

Naperville, IL

August 2018 – June 2019

AWARDS

North Central Dean's List

Fall 2018, Winter 2019, Spring 2019

Wheaton North Top 5%

May 2018

AP Scholar with Distinction

2017, 2018

National Merit Commended

2018

ENGINEERING EXPERIENCE

Raytheon Preternship Project Notre Dame | *Intro to Computing*

September 2019 – Present

- Communicate with a mentor working at Raytheon to create a project of appropriate scope
- Creating a GUI that will be able to compute the optimal specifications for an antenna being used by a ground station looking to interact with a given satellite with several distinguishing characteristics
- Collaborating with a fellow electrical engineering student to complete this project

Robot Collaboration Research with Dr. Hai Lin Notre Dame | *Research Assistant*

August 2019 – Present

- Building a ROS (Robot Operating System) project in Python whose ultimate goal is to use a formation of Turtlebots to locate and retrieve a box within an unknown region (github.com/KonRoz/Pusher)
- Collaborate with graduate students to explore how to quantify and account for uncertainty in scenarios like the project mentioned above
- Write professional reports in LaTeX at the end of every semester detailing project progress, future plans, and insights

Formula SAE Hybrid Race Team Notre Dame | *Powertrain Team Member*

August 2019 – Present

- Cooperate with an 18-person team to finish a formula one car that can be raced in the international competition later in the year.
- Examine the powertrain documentation left by last year's team to properly interface the powertrain with the rest of the car and implement improvements.

DEV 131 (Computer Science Club) North Central | *Arduino Quadcopter Project Lead*

August 2018 – May 2019

- Designed and implemented a quadcopter using an Arduino as its flight controller
- Managed a team of three members
- Worked within a set budget of 1000 dollars and communicated project progress and team needs to the club president

EMPLOYMENT

Men's Soccer Notre Dame, IN | *Student Manager*

August 2019 – Present

- Record the games for the coaches to review and operate the video assistant referee (i.e. VAR) system as needed
- Attend home games to assist with miscellaneous tasks
- Manage and organize team gear to facilitate seamless operation between games

Team 6 Soccer Wheaton, IL | *US Soccer Grade 8 Referee*

April 2014 – June 2019

- Assured rules of the game were being followed
- Collaborated with assistant referees to ensure crowd was under control
- Executed decisions while under pressure

Naperville Yard Indoor Sports Complex Naperville, IL | *Referee*

November 2018 – March 2019

- Solely tasked with enforcing game rules and crowd control
- Maintained high levels of focus for several hours for accurate game judgements.

SKILLS & INTERESTS

Programming Languages: Python (proficient), Java (basic), C (basic)

Languages: Polish (fluent), Spanish (basic)

Software: MS Suite, Git, GitHub, PyCharm, FileZilla, Linux, Windows, ROS, LaTeX

Miscellaneous: Soldering, MIG Welding, Playing Alto Saxophone, Flying Quadcopters