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Las Vegas, NV 89148

# Yuryi Mironchyk

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## Education

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<b>Reno, NV</b>	<b>University of Nevada, Reno</b>	<b>Fall 2022 - Spring 2024</b>
<ul style="list-style-type: none"><li>• B.S.E. in Electrical Engineering (In Progress). GPA: 3.57</li><li>• Undergraduate Coursework: Circuits; Linear Algebra; Calculus III.</li></ul>		
<b>Reno, NV</b>	<b>TMCC</b>	<b>Spring 2021</b>
<ul style="list-style-type: none"><li>• Electrical Engineering Transfer Classes. GPA: 4.0</li></ul>		
<b>Las Vegas, NV</b>	<b>College of Southern Nevada</b>	<b>Fall 2020 - Spring 2021</b>
<ul style="list-style-type: none"><li>• Electrical Engineering Transfer Classes. GPA: 3.76</li></ul>		
<b>Las Vegas, NV</b>	<b>Sierra Vista HS</b>	<b>2017 - 2020</b>
<ul style="list-style-type: none"><li>• Advanced Honors, CTE Diploma. GPA: 4.0</li></ul>		

## Languages and Technologies

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- Technologies: Git, GNU/Linux, Bash, VS Code, KiCAD
- Languages: Python, Java, MATLAB, JavaScript/HTML/CSS
- Frameworks: Django, Node.js, React.js, SASS,

## Projects

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- **NURA Research Project**
  - Scraped landscape images cameras on NPS website for analysis.
  - Wrote Python program which traversed a list of databases on website to download images.
  - Images categorized by time and date. Metadata saved for additional information.
  - Images would later be passed through a MATLAB program to analyze characteristics.
- **LibreChem Website**
  - Created backend with Django (Python) and interactive front-end using JavaScript.
  - Full periodic table with element information including physical and chemical properties.
  - Calculator page that includes photon energy, pressure, and pH calculators.
- **Keyboard PCB**
  - Designed Mechanical Keyboard PCB using AutoCAD / KiCAD.
  - Uses Arduino Pro Micro microcontroller to handle keyboard input, ghosting, and macros.
- **Sudoku Solver Program**
  - Recursive algorithm based sudoku solver using GUI created with JavaFX, programmed using Java.

## Experience

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<b>Research Experience</b>	<b>UNR</b>	<b>Fall 2021</b>
<ul style="list-style-type: none"><li>• Worked on a research project for NURA, as specified above.</li><li>• Included working on deliverables with graduate mentor.</li></ul>		
<b>Student Worker</b>	<b>Sierra Vista HS</b>	<b>Fall 2019 - Spring 2020</b>
<ul style="list-style-type: none"><li>• Evaluated code and graded homework for multiple classes and input grades</li><li>• Helped create homework assignments and projects</li></ul>		