

# ERIC MICHAEL NIEMEYER

COMPUTER ENGINEER & WEB DEVELOPER

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Github



Website



github.com/niembro64

niembro64.com



## Work Experience

### Rockwell Automation

#### **Systems Design Engineer II** - 3 Years

- Designed Templatized Machine Execution System (MES):
  - Lucid Motors (*Casa Grande, AZ*)
  - Cooper Tires (*Texarkana, AR*)
  - 3M Incinerator Facility (*Cottage Grove, MN*)
- Designed VBA cross-referenced & auto-email action item tracking system
- Supported Business Layer of Industrial Processes, DBs, Connectivity, Reports
  - Green-Leaf Foods (*Shelbyville, IN*)

COLUMBIA, ILLINOIS, USA

Jan 2019 - Today



### Jackson & Mars | Michael Jackson & Bruno Mars Experience

#### **Lead Hardware, Software, and Audio Engineer**

- Designed lip-sync system to give voice flexibility based on fatigue
- Designed multi-audio-stream system for maximizing experience and musicianship

SAIN T LOUIS, MISSOURI

2019 - 2021



### Daegu Science High School for Gifted Korean Students 대구과학고등학교 영재고

#### **Full-Time Public-School Teacher** - 4 Years

- Created application & GUI that compiles faculty schedules from cryptic database
- Led college-prep classroom discussions, English immersion

DAEGU, SOUTH KOREA

2013 - 2017



### S. Korea Ultimate Frisbee League, Multi-National League, rokultimate.com

#### **Executive Manager** (also team captain, coach, player) - 2 Years

- Administered the 24-team, 11-cities-wide South Korean frisbee league (~350 members)
- Managed sponsorships, oversaw uniform design, liaison for all equipment orders
- Managed native secretary who maintained \$40,000 league balance
- Actualized regular board meetings, elections, government issues

SOUTH KOREA

2014 - 2016



### Associazione Culturale Linguistical Educational, Education Company, acle.it

#### **English Teacher, Pedagogy Teacher, Project Manager**

- Developed & taught 25 English courses and 12 Pedagogy courses in 15 cities

SANREMO, ITALY

2008 - 2013



<b>Education</b>	<p><b><u>Web Development Bootcamp</u></b></p> <p><b>Coding Dojo   Full-Time Coding Bootcamp</b>   80 Hours per Week   4 Months</p> <p><u>Web Fundamentals</u> (<i>Highest Honors</i>)</p> <ul style="list-style-type: none"> <li>· HTML, CSS, Javascript, jQuery, Git, Bootstrap, Bash</li> </ul> <p><u>Python Full-Stack</u> (<i>Highest Honors</i>)</p> <ul style="list-style-type: none"> <li>· Python, Flask, Jinja, MySQL, Ajax, APIs, BCrypt, AWS</li> </ul> <p><u>React Full-Stack</u> (<i>Highest Honors</i>)</p> <ul style="list-style-type: none"> <li>· React, Node.js, NPM, Express, MongoDB, Mongoose, Cors, Axios</li> </ul> <p><u>C# Full-Stack</u> (<i>Highest Honors</i>)</p> <ul style="list-style-type: none"> <li>· C#, .NET, ASP.NET Core, MySQL, LINQ, EF Core, Azure</li> </ul> <p><b><u>Bachelor of Science in Computer Engineering</u></b>    3.73 GPA</p> <p><b>Southern Illinois University Edwardsville</b></p> <p><u>Major in Computer Engineering</u></p> <ul style="list-style-type: none"> <li>· C, MIPS Assembly, Verilog, PSpice</li> <li>· Digital Design, Signal Processing, Signal Comm., Microcontrollers</li> </ul> <p><u>Minor in Computer Science</u></p> <ul style="list-style-type: none"> <li>· C++, Java, SQL, Linux</li> <li>· Data Structures &amp; Algorithms, Operating Systems Design</li> </ul> <p><u>Minor in Mathematics</u></p> <ul style="list-style-type: none"> <li>· Differential Equations, Discrete Mathematics, Engr Statistics</li> </ul> <p><b><u>Bachelor of Science in Secondary Education: Earth and Space Science</u></b></p> <p><b>Southern Illinois University Edwardsville</b></p> <ul style="list-style-type: none"> <li>· Certified High School Science Teacher in Illinois</li> </ul> <p>Other Areas of Academic Study</p> <ul style="list-style-type: none"> <li>· Associates of Arts in Music Education, Music Theory, Violin</li> <li>· Oxford Seminars ESL Language Teacher</li> <li>· MTA SQL Certification</li> </ul> <p><b>Other</b></p> <p><b>Technical</b></p> <ul style="list-style-type: none"> <li>· Excel Expert</li> <li>· Audio &amp; Video Engineering, FL Studio, Adobe CS, Premiere Pro, Illustrator, Photoshop</li> </ul> <p><b>Technical Hobbies</b></p> <ul style="list-style-type: none"> <li>· <b>Home Server Rack:</b> Servers, DBs, RasPi's, Arduino, Crypto Mining, NAS</li> <li>· <b>Violin Frequency Analyzer:</b> (Music Tuner) (Built with Discrete Parts &amp; PSoC 5 ADC)</li> <li>· <b>Electricity Cost Monitor:</b> (Web GUI, Cost/Day) (On/Off Switch, Hall Effect Sensor, Arduino)</li> <li>· <b>Wedding DJ</b></li> </ul> <p><b>Other Languages</b></p> <table> <tbody> <tr> <td>· <b>Italian</b></td> <td>Conversational</td> <td>Lived in Italy &amp; Italian Girlfriend</td> </tr> <tr> <td>· <b>Spanish</b></td> <td>Intermediate</td> <td>International Experiences</td> </tr> <tr> <td>· <b>Korean</b></td> <td>Basic</td> <td>Lived in Korea</td> </tr> </tbody> </table>	· <b>Italian</b>	Conversational	Lived in Italy & Italian Girlfriend	· <b>Spanish</b>	Intermediate	International Experiences	· <b>Korean</b>	Basic	Lived in Korea	April, 2022 
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	December, 2018 										
	May, 2013 										