

# NIMSY COREA

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## EDUCATION

**University of Georgia** — Athens, Georgia May 2024

**Bachelor of Science in Computer Systems Engineering; Computer Science Minor and Studio Art Minor**

- **Honors/Awards:** MATLAB Onramp Certificate, Lamar Dodd Art Show (2019)
- **Scholarships:** Georgia Commitment Scholar, HOPE Scholarship, Peach State LSAMP General Scholar, TRIO
- **Relevant Coursework:** Software Development, CAD and Fabrication, Systems Programming, Logic Design, Circuit Analysis, Electronics, Sensors and Transducers, Design Methodology, Embedded Systems

## EXPERIENCE

**Workspace ONE Unified Endpoint Management Intern, VMware** June 2022–August 2022

- Aided in implementing an auto-updating feature for the company software on a developmental Git branch alongside a mentor.
- Researched why Sparkle framework was used over Squirrel framework for macOS development and the benefits.
- Designed an educational poster on the design choices and presented to the Unified Endpoint Management Team.

**Meta Spark Creator, Meta** March 2022–April 2022

- Participated in a 6-week skill-building program that provided hands-on immersive training in AR effect creation in support of RCA's female music artists and their upcoming album releases, performances, and projects.
- Collaborated with cohort to create a bespoke AR effect for RCA recording artist Doja Cat using scripting via Meta Spark and Visual Studio Code and mixed reality technology, Gravity Sketch.

**Lab Assistant for the College of Engineering, University of Georgia** September 2021–May 2022

- Created a website in HTML, Bootstrap CSS, and JavaScript that determined chicken coop safety/risk based on an AI model.
- Designed a board game cover and 3D-modeled game pieces through CAD with the goal to involve and educate younger audiences about the state of Georgia.

**GYSI Career Fellow, Max Up** March 2021–May 2021

- Participated in career workshops led by industry leaders from Google, Facebook, Microsoft.
- Collaborated with a global team of 50 students to execute complex case studies and projects for Finance, Consulting, Marketing, and Technology.

## PROJECTS

**Electronics Tool Bench, Design Methodology Course** January 2023–Present

- Design and implement a circuit for a voltmeter, ohmmeter, and function generator with Python and the Raspberry Pi platform.
- Utilize SPI & I2C communication protocols to read and write to GPIO pins to manage input data.
- Annotate design and implementation details through a technical design document and user manual for our device.

**Criminal Justice Software Engineering, Athens Anti-Discrimination Movement** April 2021–May 2022

- Created the frontend for a website with HTML, Bootstrap CSS, and JavaScript to create a functional way to filter through inmates in Athens, Georgia prisons from a website listing hundreds of inmates' bail and charges.
- Combined login data and scraped data from our database in the backend to frontend pages with SQL and Python.

## CAMPUS AND COMMUNITY INVOLVEMENT

**Treasurer, Society of Hispanic Professional Engineers (SHPE)** April 2022–Present

**Treasurer, Institute of Electrical and Electronics Engineering (IEEE)** April 2022–December 2022

## SKILLS

- **Foreign Languages:** Fluent in Spanish and English & proficient in French
- **Programming Languages:** Java, C, C++, HTML, CSS, Python, MATLAB, beginner in Assembly, JavaScript, Bash, R
- **Technical:** Arduino, Raspberry Pi, Microcontrollers, Git & GitHub, Soldering, Emacs, Unix, electrical test equipment, CAD, Fusion 360, Autodesk Maya and Inventor
- **Software:** Microsoft Office Suite; Google Workspace Suite; Adobe Photoshop, InDesign, Illustrator; Figma, Shotcut (Video Editing), Slack, Jira, Confluence, Microsoft Teams