

# Emmanuel Akpan (he/him)

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## CORE SKILLS

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**Computer Programing:** Java/Kotlin, C#/C++/C, MATLAB, Python, PHP/HTML, JavaScript, SQL, AVR Assembly Language, Agile software development styles

Misc. Software: Inkscape, Photoshop/GIMP, Pro Tools, Clipchamp, Excel

## WORK EXPERIENCE

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### ***Computer Engineer, Bartlett Instrument Co.***

Oct 2023 – Present

- Lead and engage with various projects involving microcontroller-based Kiln and Greenhouse controllers
- Design, test, and implement firmware and circuitry for controllers
- Troubleshoot issues with customers and production line

### ***Technology Internal Audit Intern, JP Morgan Chase***

Jun 2022 – Aug 2022

- Evaluated overall proficiency and security of internal technology processes within the firm
- Engaged in weeklong software Hackathon focused on improving processes within the firm

### ***Virtual Reality Lab Research Assistant, University of Iowa***

Mar 2022 – Dec 2022

- Worked with a team for coding a virtual reality/real-time theatre experience via Unity
- Reached out to and worked with community to facilitate VR experience

### ***Corporate Strategy/Management Summer Intern, JP Morgan Chase***

Jun 2021 – Jul 2021

- Learned and applied soft and hard skills for working within firm whilst performing various case studies on business, risk analysis, and community development
- Took on sprint-style consultation for an external firm's issues regarding user retention, including presentation to constituents

### ***Resident Assistant, University of Iowa***

Aug 2020 – May 2023

- Oversaw and engaged with a total of 100+ residents, built community rapport and developed an inviting environment
- Engaged in DEI and academically focused community planning, performed routine rounds and check-ins along with various administrative duties

## EDUCATION/MEMBERSHIPS

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*B.S.E Computer Science & Engineering*, University of Iowa, Iowa City, IA

May 2023

*National Society of Black Engineers*

Since Dec 2019

*Nexus Artineers*, University of Iowa Art Engineering

Since Dec 2019

*Institute of Electrical and Electronics Engineers*, University of Iowa

Mar 2021- Dec 2022

## RELEVANT COURSE WORK

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CS 3330: Algorithms, CS 3620: Operating Systems, ECE: 3330 Introduction to Software Design, ECE 3360: Embedded Systems, ECE 3600: Control Systems, ECE 3540: Communication Networks, ECE 5610: High Performance Computer Architecture