

# Daniel Ackuaku

## Software Engineer

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## Project Experience

### Software Engineer - Occupod

May 2020 – Present

- Wrote modern, robust code in Python and C for a bathroom occupancy detection embedded systems device
- Integrated the data collected by the occupancy sensor with Google Sheets API for remote data logging and retrieval
- Developing a Django based user front end to handle user authentication and occupancy detection display.

### Implementation Engineer - T2V

Aug 2019 – May 2020 // Grand Rapids, MI

- Worked on a 4-person team that built a prototype vehicle to vehicle & vehicle to infrastructure Bluetooth communication network aimed at improving traffic safety and throughput.
- Wrote robust Python code for a rudimentary self-driving RC car used in feasibility testing during the project.

### UI/UX Developer - Pigeon Poll

Sep – Dec 2019 // Grand Rapids, MI

- Designed UX/UI, interface for and Android game named Pigeon Poll
- Performed manual user testing on UX design elements and authored feedback reports for use in future updates
- Analyzed user feedback to influence future UX updates, ameliorating user concerns and pain points during subsequent patch cycles with clients on a weekly basis.

## Work History

### Freelance Web Developer @ Self-employed

Aug 2016 – Present // Grand Rapids, MI

- Built an interactive and responsive website that served the dual purpose of enhancing customer client communication and attracting prospective customers for a financial services company using HTML/CSS.
- Designed, built and currently maintaining a fully functional dynamic e-commerce website using WordPress.

### Audio Engineer @ Calvin University

Sep 2016 — May 2020 // Grand Rapids, MI

- Creatively set up and test sound equipment before events, broadcasts or recordings.
- Recorded edited and mixed audio tracks for over 150+ live events at Calvin each year.
- Retrofitted classroom equipment with ultra-modern ceiling speakers and overhead projects, networked together using the Crestron system of controllers.

### Summer Intern @ SoftTribe

June — Aug 2016 // Accra, GH

- Performed first round user test on a data collection android application for the Ghana National Company Limited.
- Trained and led a team of 30 field agents to adequately use the android application to collect the requites location and water meter data.

## Skills

### Programming Languages

C, C++, Python, HTML, CSS, R, SQL, Java

### Libraries & Frameworks

React, Gatsby, Node.js, Jekyll, GitHub Pages

### Tools & Platforms

Git, WordPress, Netlify, Android Studio, Docker

### Design

Photoshop, Illustrator, Premiere,

## Education

### Calvin University

2016 - 2020 // Grand Rapids, MI  
Bachelor of Science in Electrical and Computer Engineering (EE / ECE) with a minor in Computer Science (CS)  
GPA: 3.5

### Awards and Honors

Dean's List for 7 of the 8 semesters spent at Calvin University.

## Extracurricular Activities

### Calvin University NSBE President

Lead a diverse group of budding engineering students achieve technical and professional development through resume and interview workshops.

Shaped solutions and approaches by leveraging the strengths of my team in designing technical service projects that aid members practice their skills they acquire from class and build new ones.

### Africapella Director

Led an African acapella choir for a year as a bass vocalist and an administrative head. Oversaw performance bookings and recruitments for the choir throughout the academic year.