

Edmund Tetteh Narh

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OBJECTIVE: Seeking a full-time position in Mechanical Engineering level where I can apply my technical skills and education.

EDUCATION:

Completed: **Bachelor of Science, Mechanical Engineering**
University of California, Berkeley • December 2020

Completed: **Associate Transfer, Mechanical Engineering**
Peralta College District (Laney College) • Overall GPA 3.66 • May 2018

Related Courses

Introduction to Solid Mechanics	Engineering Mechanics II	Electronics for the Internet of Things
Visualization for Design	Introduction to Manufacturing and Tolerancing	Mechanical Behavior of Engineering Materials
Computer Programming (MATLAB)	Heat Transfer	Introduction to Product Development
Thermodynamics	Advanced Engineering Design Graphics	Engineering Analysis Using the -
Fluid Mechanics	Dynamic Systems and Feedback	Finite Element Method
Mechatronics Design	Experimentation and Measurement	Computational Structures in -
Introduction to Control of Unmanned Aerial Vehicles (UAV)		Data Science (Python)

WORK EXPERIENCE AND PROJECTS:

Mechatronics Design Projects • University of California, Berkeley Fall 2020

- Designed a PI controller using Arduino IDE in C++
- Worked through procedure to select the right motor for a fan based on the torque and drag requirements
- Created complete CAD renderings, parts list and force analysis for a prosthetic ankle joint sub-assembly

Process Characterization, Integration and Appl. Dev. (Partially Remote Internship) • FormFactor Inc, Livermore Summer 2020

- Created a crawler script in Excel VBA which automatically crawls through data to remove unwanted data, organize and save data to be processed in JMP
- Perform data analysis in JMP to determine the sensitivity of springs with respect to beam offset and length on Probe card
- Collaborated with Assembly/Development Engineer to create documentation, work instructions, and video tutorials on assembly, adjustment and handling procedures for a new product to remotely support the field team.
- Collaborated with Assembly/Development Engineer in cleanroom to Assemble product and run series of tests on product and communicate progress to team.

Advanced Engineering Design Graphics Project • University of California, Berkeley Fall 2019

- In a group of three members, I collaborated as a team member to design every single component of a Patrick-Anno Stirling Engine
- Each component was assembled with constraints in Creo Parametric, animated each component and applied finishes in 3ds Max and compiled to for a video presentation using Adobe After effects and Premier pro.
- <https://www.youtube.com/watch?v=R7kGULMmWtE&t=1s>

Manufacturing and Tolerancing Project • University of California, Berkeley Spring 2018

- In a group project, collaborated as a team member to design and manufacture a wheelchair phone mount. My team was awarded the overall best course project in applying tolerancing principles for the spring 2019 semester
- Almost all components of the wheelchair mount were 3D printed

Project Coordinator • Golden Gate Solar (Daly City) October 1, 2017-October 31, 2017

- Presented engineer drawings, plans and detailed information pertaining to projects (solar or construction) to the respective City's Department of Building to acquire permit to begin a project.
- Ensured that every solar and construction project is completed in a timely manner, make sure all employees wore safety gear while on site and daily updated management of the progress on projects.
- Activated and Troubleshooted (when necessary) Solar Edge Inverters after solar panels are installed. Uploaded and monitored performance of all inverters and solar panels on the Solar Edge Site Mapper App.
- Received training from Solar Edge Applications Engineer on how to update inverter software when necessary.

KNOWLEDGE AND SKILLS:

Tools: • Creo Parametric • AutoCAD • MATLAB • Autodesk 3ds Max • SOLIDWORKS(Beginner) • Microsoft Office Suite
• Simulink • Adobe Photoshop • Adobe Premier Pro • Adobe After Effects • Lathe Machining • JMP • Familiar with Ansys
• Inkscape • Adobe Illustrator • Arduino IDE • Fritzing

Programming Languages: MATLAB, Python, C++, Visual Basic Applications (Excel VBA)

Organization and Leadership:

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| • Excellent time management | • Excellent work ethic and dedication |
| • Strong visual, analytical and problem-solving skills | • Excellent team and leadership skills |
| • Ability to adapt to new situations | • Professional and positive communication skills. |
| • Ability to think creatively | • Goal and detail oriented |

ACTIVITIES AND ACCOMPLISHMENTS:

- **Honor Student**, Peralta College District (Laney College) 2014-2018
- **Member**, NSBE Student member
- **Volunteer**, Team Leader at First Love Bay Area

References available upon request.