**KENNEDI MCGEE**

kennedim007@gmail.com | 1-660-238-5334 | 315 Smiley Street West Lafayette, IN 47906

**EDUCATION**

**Purdue University** | West Lafayette, IN *December 2022*

Bachelor of Science: Mechanical EngineeringGPA 3.56/4.00

* Skills:
  + Communication: Wordpress, Microsoft Office, Spanish (advanced)
  + CAD/Coding: Solidworks, CATIA, SYNOPSYS LightTools, Python, MATLAB

**EXPERIENCE**

**Permaculture Internship, Kolea Farm,** Haleiwa, HI *Spring 2021*

* Optimized layout of irrigation systems to efficiently provide for plants and conserve water
* Developed permaculture skills to design sustainable and self-sufficient ecosystem
* Conducted quality control of produce to ensure optimal customer satisfaction

**Undergraduate Research Assistant, Purdue University,** West Lafayette, IN*Summer 2020*

* Utilized Solidworks and Synopsys LightTools simulation software
* Designed nano-scale bio-structures in nature to industry geared applications
* Evaluated research findings to enhance industry applications

**Wheelchair Mobility Aid Design Project, Purdue University,** West Lafayette, IN *Spring 2020*

* Developed a wheelchair attachment to address the growing issue of elderly mobility
* Designed a 3-dimensional model of the attachment using Solidworks
* Conducted simulations within Solidworks to optimize performance of prototype

**R&D in Off-Grid Evaporative Cooling, Purdue University,** West Lafayette, IN*Fall 2019*

* Implemented thermodynamic applications to off-grid refrigeration systems
* Engineered off-grid design solutions for Engineers Without Borders Chill Challenge
* Collaborated in a diverse design team

**LEADERSHIP & COMMUNITY SERVICE**

**Belay & Challenge Course Supervisor, Purdue Climbing Wall,** West Lafayette, IN *Fall 2019-present*

* Enhanced the customer experience with proper communication to achieve goals
* Created challenge course activities to promote team building amongst participants
* Maintained safety of rock wall with belay and CPR certification to avoid injuries

**Officer of Outreach, Purdue Climbing Club,** West Lafayette, IN*Fall 2019-Fall 2020*

* Facilitated club events and social projects with members
* Honed marketing skills by promoting club on Instagram and Facebook

**Global Leadership in Peru, Purdue University,** West Lafayette, IN *Fall 2018*

* Developed skills in time management and leadership while studying during international travel
* Connected to community through 4-month service project in conversational competency

**AWARDS AND CERTIFICATIONS**

**Intercultural Skills of Empathy and Verbal/Nonverbal Communication Certification**  *Fall 2018*

* Trained in intercultural competence and diverse team building

**AFFILIATIONS**

* Global Engineering Alliance for Research and Education (GEARE) Program *Spring 2019–present*
* Purdue Climbing Club *Spring 2019-present*
* Purdue Association for Student Study-abroad Participants and Other Recent Travelers (PASSPORT)*Fall 2018-present*