Nadine Amanda Siddharta

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EDUCATION

University of Illinois at Urbana-Champaign **May 2023**
Bachelor of Science: Computer Engineering
Relevant Coursework
- Discrete Structures, Linear Algebra, Software Design Studio, Women in Engineering Research Scholars

Singapore American School **May 2019**
Graduated Cum Laude with 3.99 GPA
Relevant Coursework
- Advanced Topic Computer Science: Data Structures, Advanced Topic Computational Physics

RESEARCH & EXPERIENCE

BASF Chemicals Company **Jakarta, Indonesia**
Summer Research Intern **July 2018 - August 2018**
- Tested and conducted product checks under the Polymer Dispersion Quality Assurance & Process Lab to test efficacy of adhesives and paint products
- Investigated and interpreted tests to help improve product quality such as decreasing opacity for desired adhesives through researching and testing effects of altering pH on polymer bonds

Biodegradable Waste Based Bioplastic Research Project **Singapore**
Independent Research Author **January 2018 - May 2018**
- Designed research project regarding development of bioplastics from biodegradable waste such as banana peels
- Implemented and conducted trials to develop sample of bioplastic material that was water-resistant and had functional tensile strength
- Amended trials to increase tensile strength of sample material by 49.7%
- Presented newly developed material and authored research paper to panel of judges, mentors, and teachers

EXTRACURRICULAR ACTIVITIES

Pulse **Urbana, IL**
Summer Staff Member **May 2020 - Present**
- Devised and created promotional materials under the Marketing Committee to gain traction for future Pulse 2021 Conference
- Planned and organized sponsor partnerships and events for the Women in Tech day event under the Women in Tech Committee

Kappa Phi Lambda Sorority, Inc. **Urbana, IL**
Academic Chair **December 2019 - May 2020**
- Utilized Excel to oversee weekly study hours of over 32 active members to ensure academic success of chapter
- Advised and supported members struggling academically through organizing study groups and consulting with members monthly on academic progress

Biotechnology Club **Singapore**
Founder & President **August 2018 - May 2019**
- Led team of 4 to organise and create weekly laboratory demonstrations for underclassmen as extension to Biotechnology classes to help students master and explore topics in Biotechnology

KidsRead National Library **Singapore**
Volunteer Reading Aide **August 2018 - February 2019**
- Enhanced neighbourhood literacy rate through volunteering to introduce and guide dozens of children in community center to various types of literature

SKILLS

Programming Languages
- Proficient - Java, C++; Familiar - Python, HTML, CSS
- Familiar libraries, frameworks, etc.: Git, JSON, Linux, Maya

Languages
- Indonesian (Native), Mandarin Chinese (Conversational)

Basic Biotechnology & Lab Skills
- Able to implement various lab techniques: micro-pipetting, prepare Petri dishes, streak plate
- Published youtube videos explaining various Biotechnology lab processes