

Kyle Phan

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EDUCATION

University of Notre Dame, Notre Dame, IN

Expected May 2025

College of Engineering, *Bachelor of Science*, Dean's List

Major and GPA: Computer Science, 3.93

Troy High School, Fullerton, CA

May 2021

Awards/Honors: Rotary Top 100, Troy Tech Magnet, National Merit Commended Scholar, AP Scholar

ACT: 35 | GPA: 4.8

EXPERIENCE

Lab for Big Data Methodology

March 2022 – Present

Undergraduate Research Assistant

- Lab goal is to develop better statistical methods and software in the areas of education, management, health, and psychology
- Utilize HTML/JavaScript to create a better UI experience for a web application that allows the user to find trends between two objects

Microbiome Grant Proposal Team

August 2020 – August 2021

Grant Team Member

- Continued to work with Dr. Shahrestani's lab and assisted in creation of grant proposal on how *Drosophila* experimental evolution affects and is affected by associated microbes
- Collaborated and communicated with the rest of the team, helped with experimental designs and assisted in creation of preliminary data and figures

Literary Research Internship

June 2020 – August 2020

Summer Intern

- Worked with 6 other interns at the Shahrestani Lab at Cal State University, Fullerton Department of Biological Sciences
- Read and annotated published research articles on the effects of microbiota on aging in *Drosophila melanogaster*
- Presented a complete presentation on how shifts in microbiota composition during *Drosophila* aging impair intestinal function and drive mortality to postdocs

Physician Shadowing - Gastroenterology

January 2020

Physician Shadow Intern

- Shadowed Dr. Sunny Lo and Dr. Kalpana Patel at Long Beach Gastroenterology Associates
- Experienced full patient encounters in outpatient setting (history-taking, physical exam, assessment, plan) and observed colonoscopies and endoscopies

ACTIVITIES & SERVICE

CS4Good

January 2022 - Present

Project Lead for CS4Good

- Work with REAL Services, collaborate with employees to construct and integrate a database into a current work environment
- Create club website using HTML/CSS/JavaScript, manage a nine person team and delegate tasks for each to do

Asian American Association

August 2021 - Present

Freshman Representative, Multicultural Retreat Leader

- Create an inclusive community for Asian American students to engage in fellowship with one another by planning various spiritual and recreational events
- Plan a multicultural retreat for 150 people with 5 other students centered on how we understand and love God from our various cultural identities and perspectives

Data Club

January 2022 – Present

Project Member

- Build an Optical Character Recognition model using Python and TensorFlow for a CAPTCHA decoder project

Best Buddies

August 2017 - Present

President, Speech Coach (Troy High School)

- Lead chapter and planned events for 200+ members, CA Chapter of the Year 2018, Created handbook on navigating COVID
- Mentor and advisor to chapter presidents nationwide, devoted hours to helping my colleagues with creating their chapters and developing applications, recruitment plans, efficient buddy matching techniques, and event planning

Projects

Sol Solutions | Project: Horizon

March 2022

Project Member

- Created a website that allows residents of Indiana to see how much it would save them to switch to solar energy based on their monthly electric bill and the number of solar panels desired
- Used HTML/CSS/Bootstrap/Flask for front-end development, and used Python for back-end development

SKILLS & CERTIFICATIONS

Microsoft Word Specialist | Entrepreneurship & Small Business | Python | MATLAB | HTML | CSS | JavaScript