

MAXWELL WENG

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Education	University of Michigan <i>B.S.E in Computer Science</i> <i>GPA: 4.00/4.00</i> Coursework: Machine Learning (EECS 445), Web Systems (EECS 485), Data Structures and Algorithms (EECS 281), Computer Organization, Discrete Mathematics, Linear Algebra, Differential Equations	Ann Arbor, MI December 2021
Experience	University of Michigan Frankel Cardiovascular Center <i>Esperance Undergraduate Research Fellow</i> <ul style="list-style-type: none">Bootstrap the Java genome analysis toolkit (GATK) to analyze zebrafish whole genome sequencing data to discover variants that lower genetic risk for thrombosis clottingUtilize tidyverse R packages to transform and visualize UK Biobank data to investigate modifying effect of antithrombotic <i>f2</i> variants in individuals with prothrombotic <i>at3</i> variants	Ann Arbor, MI May 2019 – Present
	ANIVA Enterprises <i>Software Development Engineering Intern</i> <ul style="list-style-type: none">Constructed iOS front-end of ANIVA Home app to connect consumers with home cooks	Novi, MI June 2018 – August 2018
	Ford Motor Company <i>Software Development Intern</i> <ul style="list-style-type: none">Modeled the paint booth at the Rouge River Factory using Java to improve quality	Dearborn, MI June 2017 – August 2017
Projects	Vitam LLC. <i>Co-Founder</i> <ul style="list-style-type: none">Develop Vitam, a dynamic HTML, CSS, JavaScript, Ruby backend web app used at the University of Michigan Aphasia Program that empowers patients with language disorders to communicate. Vitam has raised \$25,000+ seed money from non-dilutive grant awardsProgrammed JavaScript pupil-tracker and webcam modules into Vitam, a COVID-19 pandemic pivot so clinicians and caregivers can use Vitam remotely to help patientsEstablished an on-going partnership with the Shanghai University for Finance and Economics to conduct market research and testing for Vitam in Shanghai, China	Ann Arbor, MI October 2018 - Present
	MHacks 11 <i>Third Place Overall (among 120+ teams)</i> <ul style="list-style-type: none">Created Vitamin See, a web app that utilizes computer vision and machine learning to allow patients to communicate with their caregivers with only their eyes, which has become Vitam	Ann Arbor, MI October 2018
Activities	Girls Who Code Volunteer <ul style="list-style-type: none">Educate 100+ fifth and sixth graders in computer science using Scratch and Python Turtle	Novi, MI
	optiMize Peer Mentor <ul style="list-style-type: none">Facilitate pods of students through the optiMize Social Innovation Challenge	Ann Arbor, MI
	Innovation Theme Community Resident Advisor (RA) <ul style="list-style-type: none">Build community and encourage community responsibility for 70+ residents	Ann Arbor, MI
	Boy Scouts of America Eagle Scout <ul style="list-style-type: none">Devised an educational facility for students at Tollgate Educational FarmFundraised over \$4,000 by collaborating with over 100 sponsors	Novi, MI
Awards	Commercialization/ Entrepreneurship Award <ul style="list-style-type: none">Recognized for outstanding entrepreneurial activities in computer science engineering by the department of electrical engineering and computer science among 2,500+ students	March 2020
Computer Skills	C++, Swift, R, Java, MATLAB	