C. Henry White

henrywhiteiv@gmail.com || **mobile: 949.419.5966** || **https://honeybeebus.github.io/**

University of California, Merced
B.S. Computer Science, Engineering 2020

Relevant Coursework
Object Oriented Programming, Algorithm Design and Analysis, Software Engineering, Databases, Artificial Intelligence, Networks Security and Systems, Vector Calculus, Linear Algebra, Discrete Mathematics, Numerical Analysis and Methods

Technical Skills
C, C++, C#, Java, JavaScript, ReactJS, MaterialUI, HTML, CSS, SQLite, Python, Flask, Yarn (package manager), R, MIPS, WordPress, Adobe Creative Suite, Unity, Unreal Engine

X, the moonshot factory (formerly Google [x]) **August 2020 - Present**
Virtual World Designer (via contract)
- Supported the design of event programming including quests, building projects, and battle royals through an iterative process of pitching ideas and creating examples. The result was a unique world for employees to explore.
- Trained administrators for server maintenance through a remote host's FTP, navigated within the server using commands with specific syntax, and enforced the network security through use of whitelists, encrypted whitelist applications, and the banning of potential threat's IP addresses.
- Created a virtual workspace for X through Minecraft by creating scale models of real workspaces, and fully interactive all hands meeting space suitable for company-wide meetings.
- Built fully realized worlds to immerse players using real brick and mortar buildings as a jumping off point for the design. My unique contributions included large-scale floating art installations, high-fantasy trees, and epic parallel dimensions for players/employees to explore.

University of California, Merced, School of Engineering **August 2020 - December 2020**
Communications Lead, and Front End Programmer - Innovate to Grow
- Participated in a 4 member team tasked with creating a fully functional cyber-security centric risk analysis web app for a confidential financial services industry partner for my Software Capstone Project.
- Led communication with industry partners for our team, and two others who were creating similar deliverables.
- Designed and implemented major front-end components including navigation bar and a dynamic graphical representation of risk analysis outcome (essential for minimum viable product).
- Created the algorithm behind risk analysis functionality that returned newly computed values for risk in real time.

UC Natural Reserve System **January 2018- January 2020**
Intern - Merced Vernal Pools and Grasslands Reserve
- Updated and maintained official website **https://vernalpools.ucmerced.edu/**
- Assisted Ph.D. candidates with field research efforts including collection of species data. Banded over 50 American Kestrels for the American Kestrel Breeding Productivity project, set up and maintained 5 camera traps for the Kit Fox Camera Study, and recorded data for surveys looking to document the population of endemic Fairy Shrimp and California Tiger Salamanders.
- Led community outreach and tours for the public, students, and traveling Ph.D. researchers.

University of California, Merced **August 2017 - May 2018**
Engineer Service Learning Communications Officer, Unmanned Aerial Systems Team
- Worked as part of a team supporting the local farming community by developing powerful yet affordable precision agriculture solutions for small scale farmers. **https://uav.ucmerced.edu/**
- Responsible for taking the minutes of each team meeting and served as primary contact for our community partner. Accountable for weekly status updates to project supervisors.

Laguna Beach Department of Marine Safety **Summer 2014, 2015, 2016, 2017**
Ocean Lifeguard
- Named Laguna Beach First Year Lifeguard of the year in 2014.
- Served as key contributor on a high performing 100 person team working from 30 towers guarding 5.5 miles of coastline and 16.5 miles of ocean. Average summer volumes of activity for the department included rescues of over 3,500 individuals and medical attention to over 4,000.
- Completed over 100 hours of physical and knowledge-based testing, including EVOC (Emergency

Vehicle Operations Course), Master Scuba training, CPR, and First Aid.