Monthon Paul

Portfolio: www.monthonpaul.dev
Github: github.com/Monthon-Paul

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EDUCATION

- **University of Utah College of Engineering** — Salt Lake City Utah, United States
  Bachelor of Science - Computer Engineer; GPA: 3.47 — *August 2020 - expected 2024*
  Courses: *Object-Oriented Programming, Data Structures & Algorithms, Circuits & Systems II, Circuits & Systems I, Discrete Structures, Computer Organization*

SKILLS SUMMARY

- **Languages:** Familiar in C#, JAVA, Python, JavaScript, HTML & CSS,MATLAB, LATEX, SQL, R
- **Libraries/Framework:** Familiar with Anaconda Python, discord.py, Jupyter, .NET, BigQuery, RStudio
- **Platforms:** MacOS, Web, Windows, Arduino, Spreadsheets
- **Soft Skills:** Writing, Typing, Communication, Eager Learner

EXPERIENCE

- **Kumon North America, Inc** — On-site
  Instructor / Grader (Part-time) — *June 2020 - Present*
  - **Instructor**: applied knowledge of K-12 learning for Math & Reading. Math expanding through the bare minimum of AP Calculus AB. Reading expanding with literature composition & Reading proficiency
  - **Grader**: enter data results for students and keep track of their progress & planned a schedule for students

PROJECTS

- **Audio Filter Circuit - Arduino**
  June 2022 - July 2022
  - **Design**: a Low-pass, High-pass Filter using the Arduino which inputs a wave audio with depending on the filter outputs a frequency change.
  - **Tech**: Arduino, Analog Circuit, C-based programming

- **Custom Discord bot - interactions/ music player**
  June 2022 - July 2022
  - **Design**: build a custom simple to use discord bot in which interacts with users & able to play music in a server
  - **Tech**: Discord.py library, audio converter & player

- **Website Portfolio**
  June 2022 - Present
  - **Design**: My side project where I am able to present my portfolio, interest, background, & projects. Was able to host it using GitHub pages with a custom URL.
  - **Tech**: JavaScript, HTML & CSS

- **Basic Fire Blinker Circuit**
  April 2021 - May 2021
  - **Design**: a small circuit that detects a certain amount of heat which turns on alternating LEDs. In case a fire temperature is able to power voltages over logic gates in order to flash LEDs with an oscillator alternating the logic gates.
  - **Tech**: Analog Circuits

- **Context free Grammar text Generator**
  November 2021 - December 2021
  - **Design**: CS project: choosing the right data structure & algorithm in order to generated a random Grammar text. Optimizes & conduct timing code to analyze an efficient algorithm. Dealt writing the code with recursive call & iterative call for choosing the best.
  - **Tech**: Java, data structures & file reader libraries

CERTIFICATE

- **Google Data Analytic Professional Course** — Online
  Coursera & Google — *July 2022 - September 2022*
  - **Learning**: Acquired critical skills in how to prepare, process, clean, analyze, and share data.d Learn how to organize it into a presentable manner using options such as formulas, functions, and visualization methods.
  - **Skills**: understanding the uses Spreadsheets, SQL, and R programming language.

VOLUNTEER EXPERIENCE

- **University of Utah Health Hospital** — Salt Lake City Utah, United States
  volunteer at the University of Utah Hospital, where I help patients & employers. — *Jun 2017 - Aug 2017*