

# Morphy Kuffour

LinkedIn

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860-573-6681

## EDUCATION

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- **University of Connecticut** Storrs, CT, USA  
*B.S.E, Computer Science and Engineering; GPA: 3.58* Aug 2019 - May 2023  
*Relevant Courses:* Operating Systems, Data Structures, Analysis Of Algorithms, Machine Learning, Networking, Databases  
*Programs & Clubs:* UConn Honors Program, UConn Upsilon Pi Epsilon, Louis Stokes Alliance for Minority Participation (LSAMP), National Society for Black Engineers (NSBE), UConn Cybersecurity Club, UConn Honors Society

## SKILLS SUMMARY

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- **Languages:** Lua, Nix, Python, Bash, awk, C, Powershell
- **Tools:** Neovim, Emacs, Docker, Vagrant, Git, SQL, Excel (data analysis)
- **Platforms:** Linux, NixOS, OSX, Web, Windows XP/7/10/11, Windows Server 2016
- **Soft Skills:** Leadership, Effective Verbal and Written Communication Skills, Time Management

## RELEVANT EXPERIENCE

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- **Raytheon Technologies** Remote  
*Digital Leadership Development Program Associate* May 2023 - Present
  - **Rotation 1:** Software Developer at Corporate Raytheon Technologies
  - **Rotation 2:** Technical Product Manager at Pratt & Whitney
  - **Rotation 3:** Cloud Data Engineer at Pratt & Whitney
- **Raytheon Technologies** Remote  
*Digital Leadership Development Program Intern* Aug 2021 - May 2023
  - Worked with Raytheon Technologies Corporate Identity Access Solutions team to facilitate Multi-Factor Authentication (MFA) solutions for over 30,000 employees.
- **UConn Research Assistant** Hybrid - Storrs, CT  
*Undergraduate Research Assistant* Aug 2021 - May 2023
  - Worked with Prof. Clay Tabor on porting Community Earth System Model (CESM) to the UConn high performance computing system.
- **UConn Teaching Assistant** Storrs, CT  
*Undergraduate Teaching Assistant for CSE 3140* Jan. 2022 - Dec 2022
  - Assist students in CSE 3140, a cybersecurity lab course, and provide office hours to answer student questions regarding coursework. Skills: Shell Scripting, Linux Configuration, Debugging, Cybersecurity
- **UConn Teaching Assistant** Storrs, CT  
*Undergraduate Teaching Assistant for CSE 1010* Aug. 2021 - Jan 2022
  - Assist students in CSE 1010, an introductory computer science course taught in Python and MATLAB, and provide office hours to answer student questions regarding course work.
- **UConn Information Technology Services** Storrs, CT  
*UTS Network Assistant* Jan. 2021 - Jun. 2021
  - Duties included troubleshooting network hardware related problems, remotely configuring routers and access points, conducting wireless surveys, and working with Cisco Prime Infrastructure software to manage subnets on the UConn Campus.

## ACHIEVEMENTS

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- **1st Place UConn Senior Design Project** University of Connecticut  
*May 2023* Project: *HuskyFit Mobile Application*
  - Part of a team that designed a Health and Fitness Mobile Application
  - Utilized React framework, AWS technologies, and other software development tools to simplify the development process
  - Presented the project to industry experts, securing 1st Place in the design competition.
  - Competed against 39 Engineering teams to achieve this recognition.

## PROJECTS

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- **Cross Platform Nix Configuration:** System-wide configuration for Linux, Windows Subsystem for Linux(WSL), and Mac OS X. Tech: Nix, NixOS, Bash, OSX, WSL
- **lookup.nvim:** (Work in progress) Lookup up the definition of a word under the cursor in neovim, a terminal text editor. Tech: Neovim, Lua, Rest APIs
- **rawtalk:** (Work in progress) A userspace tool that leverages hidapi library to communicate with a qmk enabled keyboard to perform layout switching and other useful tasks. Tech: Rust, C
- **Dactyl Manuform 5x6 Keyboard Build:** Built a custom Dactyl Manuform Keyboard, a parameterized, split-hand, concave, columnar, ergonomic keyboard. Skills: Wiring, PCB Soldering, Hardware debugging. Tech: C