Abdal Khan

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Education

University of Maryland, Baltimore County	Howard Community College
Bachelor of Science in Computer Science	Major: Computer Science
GPA: 3.08	GPA: 3.32
Final Semester Date: May 2022	Transfer Date: August 2018

Skills

- Programming: C/C++, Python, Prolog, Javascript, Jquery, Racket/Scheme, MATLAB, Perl, HTML, CSS, Java, NASM x86, Flask, UNIX Scripting
- Software Tools: IDA, Ghidra, OllyDbg, Immunity Debugger, YARA, VMware, PuTTy, Wireshark, Git
- Operating Systems: Linux and Windows
- Foreign Languages: Urdu (conversational)

Projects

- EPOCH Medical Web Portal   **Jun. 2021**
  - Designed a basic medical web portal that held a set number of patients and patient information using HTML, CSS and Javascript
- Simple Shell   **Sept. 2021**
  - Program that processes UNIX shell commands using C
- Japanese History Project   **Dec. 2021**
  - Developed a website where I discussed the history of Islam and Japan from the late 1800s to modern day using HTML and CSS/Bootstrap
- EKANS Video Game   **Dec. 2020**
  - A reverse snake game where the player is a pellet avoiding snakes developed using C++ and Flask

Job Experience

- MSHI Solutions, LLC., *Independent Contractor, Remote*   **Feb. 2020-Aug. 2020**
  - Developed a program that interacted with jAlbum using a command line to update information on a website on an FTP server using Python, Javascript, and HTML

Extracurricular Activities

- Google Research Mentorship Program   **Sept. 2021-Dec. 2021**
  - Discussed research pathways, career goals, and graduate school process with Google employees
- Toastmasters   **May 2016-Aug. 2017**
  - Prepared and gave speeches on various topics and participated in public speaking activities

Academic Coursework

- Principles of Operating Systems   **Aug. 2021-Dec.2021**
  - Programmed in user space and kernel space using C.
- Graphical User Interface Programming   **May 2021-Jun. 2021**
  - Designed UI using HTML, Javascript, Python, Java, HTML, CSS, and Jquery
- Introduction to Artificial Intelligence   **Jan. 2020-May 2020**
  - Developed chess algorithms in Python and moving virtual bots in MATLAB
- Principles of Computer Security   **Aug. 2020-Dec. 2020**
  - Wrote shell exploits in C and Python such as return-to-libc attacks