



MAX J. HILGENBERG



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Highly motivated and organized individual with Computer Science B.S. diploma aiming to advance my skills and knowledge through practice and dedication.

EXPERIENCE

07/01/2020 – 08/01/2020

STUDENT CONSULTANT, PIELEN & PARTNER

Researched Cyber Security Incident Regulations for Large Industrial partners. Designed new Big Data approaches concerning the real estate and implemented a WebCrawler to deploy on OpenShift (RedHat). Presented an Open-Source license Market-Analysis focusing on the usability for the industry. Investigated the Technology Radar for upcoming Tech Innovations for P&P.

PROJECT WORK | SELF-TAUGHT:

Implemented a Security System using the Open-Source software Zoneminder to connect multiple IP-cameras to a raspberry pi server. Built multiple Network attached Storage Servers for personal backups and media servers using raspberry pis and the Open-Source software openmediavault including some docker containers for Plex server implementation.

Programmed a spending tracker that records monthly/yearly spending and visualizes the data into pi diagrams for analysis.

(1st version in python using csv files, 2nd version in Java using MySQL for more efficiency and security, 3rd version uses React) Implemented Magic Mirror Open-Source software onto a raspberry pi 3 to turn a mirror into a smart mirror (shows calendar, traffic info, weather forecast and news)

Turned raspberry pis into VPN connections using DuckDNS and OpenVPN.

COURSE WORK

Database management (CPSC4620) – created a database for a restaurant to keep track of inventory and orders.

Cloud Computing (CPSC4440) – learning the Foundation and Architecture on AWS services.

Large team project using the Agile Scrum Life Cycle (CPSC4910) – deploying an incentive program as a web service.

Linux Administration & Security (CPSC4240) – Exposure to the Linux security.

Human Computer Interaction (CPSC4140) – Learning to improve user's software experience.

EDUCATION

DECEMBER 2022

B.S. COMPUTER SCIENCE, CLEMSON UNIVERSITY

Minor in Cyber Security

Cumulative GPA: 3.71 Cum Laude

Presidential List: Spring 2022 – Fall 2022 (awarded to students with a 4.0 GPA)

Dean List: Spring 2022 – Fall 2021 (awarded to students with a 3.5 GPA or higher)

Member: National Society of Leadership and Success & Clemson Alumni

NOVEMBER 2019

INTERNATIONAL BACCALAUREATE DIPLOMA. CHRIST CHURCH EPISCOPAL SCHOOL

SKILLS

- Knowledgeable Coding Languages: C, Python, Java and SQL
- Bilingual in English (full professional proficiency) & German (native speaker)
- Experience with AWS, Linux Debian (Ubuntu, Raspberry PiOS) and Javascript via Vue.js & React via MUI