



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 Pielen & Partner.

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 Pi and the open-source software openmediavault including docker containers for a Plex server implementation.
Programmed a spending tracker that records monthly/yearly spending and visualizes the data using pie charts.
(1st version was in python using csv files, 2nd version was in Java using MySQL for more efficiency and security)
Turned Raspberry Pi into a VPN connection using DuckDNS and OpenVPN.

COURSE WORK

Database management (CPSC4620) – built a database backed Java application for tracking restaurant inventory and orders.
Cloud Computing (CPSC4440) – learning the foundations and architecture of cloud-based computing using AWS services.
Professional Seminar II (CPSC4910) – large team project using Agile Project Management via Azure DevOps to develop a web application.
Linux Administration & Security (CPSC4240) – Learned the basics of Linux security.
Human Computer Interaction (CPSC4140) – Learned techniques to improve user experience.

EDUCATION

DECEMBER 2022

B.S. COMPUTER SCIENCE, CLEMSON UNIVERSITY

Minor in Cyber Security
Cumulative GPA: 3.66
Presidential List: Spring 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 -

NOVEMBER 2019

INTERNATIONAL BACCALAUREATE DIPLOMA, CHRIST CHURCH EPISCOPAL SCHOOL

SKILLS

- Knowledgeable Coding Languages: C, Python and Java
- Experience with AWS, MySQL, Linux Debian (Ubuntu, Raspberry Pi OS)
- Bilingual in English (full professional proficiency) & German (native speaker)
- Team player & leader (Basketball, Baseball & large software team projects)