

Sean Roach

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EDUCATION

Indiana University, Bloomington, IN
Bachelors of Science in Informatics
Cognate: Business
Minor: Computer Science
Cumulative GPA: 3.5 / 4.0

May 2020

WORK EXPERIENCE

BD Managed Services, Indianapolis, IN

Summer 2017-Summer 2019

IT Intern

- Gained valuable insight in maintaining business to business relationships through SLA's and prompt, professional communication.
- Maintained 40+ client Active Directories, networks, and information systems.
- Tracked down intricate network problems and worked with multiple vendors to come up with client-focused solutions
- Performed quarterly client security audits involving internal and external audits
- Managed wide range of network systems via SSH tools, Linux distributions and cloud platforms.
- Developed scripts for routine systems maintenance and systems automation through use of PowerShell and java scripting platforms.
- Implemented and maintained Oracle functionality for office of HIPPA compliant clients.
- Oversaw and assisted with hardware installation, repair and tier 1 support.
- Interacted with clients daily in-person over the phone and through email.

Indiana University, Bloomington, IN

Fall 2018 – Spring 2020

Discrete Mathematics Undergraduate Instructor

- Instructed students in the Mathematical Foundations behind logical operations and mathematical proofs.
- Led classes of 30+ students and was responsible for holding one-on-one office hours for those that required additional assistance.
- Met tight grading deadlines that were often less than 5 days.

Information Infrastructure Undergraduate Instructor

- Directed students in the fundamental concepts of programming using the language Python
- Connected with students in office hours and broke down complex problems into more simple solutions.
- Worked closely with peers with to ensure that deadlines were always met and that work would be shared when needed.

TECHNICAL SKILLS

Languages: Python, Java, HTML, CSS, JavaScript, PHP, PowerShell, SQL

Platforms: Windows 10, Windows Server 2008, Windows Server 2012, Windows Server 2016, Linux/Unix

Databases: MySQL, Microsoft SQL Server, ConnectWise, TigerPaw

Miscellaneous: Hardware installation, Systems Integration, Active Directory Management, SonicWall Management

PROJECTS

Console Based Movie Theater POS

Spring 2019

- Established save states for future executions allowing the user to pick up where they left off.
- Created an end-user facing client as well as an administrative facing client.
- Added real-time editing capabilities similar to those found in SQL based databases.