

ERIC DEERING

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Education

Purdue University (Indianapolis, IN)

Aug 2018 – Dec 2024

Bachelor of Arts Degree in Applied Computer Science;

GPA: 3.45; **Awards:** Dean's List 2019, 2020

- **Relevant Coursework:** Operating Systems, Multimedia Information Systems, Written Communication in Science and Industry, Systems Programming, Server-Side Web Development, HX/UX Interaction Design, Computing Logic, System Software Analysis and Project Management, Data Structures
- **Related Projects:** Data Science research in Mutual Learning, NachOS process and thread implementation, Virtual Storefront with MySQL backend, SIC-XE Compiler and Linker, AI proposal Pertaining to the Condition of Items for Sale, Browser Based Catan Game with JavaScript

Salesforce and Deloitte Pathfinder Program

Aug 2019 – Jan 2020

Developer Training

- Salesforce and Deloitte joint program to develop Salesforce Administrator knowledge and business soft skills.
- Advanced technical skills including data management (modeling, security and access), automation using workflow rules, the use of process builder, dashboard creation, and the generation of reports.

Accomplishments

2019 AT&T FirstNet Hackathon

- Designed mobile-friendly frontend web app using javascript, css, and jQuery.
- 1st place in "Best App for Opioid Crisis"
- 2nd place in "Best App from a Student Team"

Software Projects

Mutual Learning – Machine Learning Algorithm

- Designed an application using Python to facilitate the process of Mutual Learning.
- Implemented Naïve-Bayes, Support Vector Machine, and Random Forest algorithms that were used to learn from each other and make predictions based on combined data analysis.
- Utilized: Python, Pandas, NumPy, Matplotlib

Virtual Storefront

- Developed a virtual storefront to simulate an online POS system with user login, admin login, with information about the users, admins, and goods for sale stored in a database.
- Designed a third normal form relational database design that was implemented using MySQL and PHP.
- Utilized: HTML, Javascript, PHP, MySQL

SIC-XE Compiler and Linker

- Designed a compiler and linker workflow for the SIC-XE architecture.
- Implemented two pass algorithms, operation tables, test programs, and machine code translators.
- Utilized: Java, Assembly

Skills & Highlights

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|-------------------|--------------|--------------------|
| • Shell Scripting | • Python | • Assembly |
| • C++ | • JavaScript | • Machine Learning |
| • Database Design | • SQL | • PHP |
| • Java | • Docker | • Git |

Professional Experience

Fedex Trade Networks – Team Lead (Indianapolis, IN)

Jul 2022 – Aug 2024

- Developed a Java application using Swing and Selenium to assist with web based applications and data analysis.
- Trained a team of 12 on clearance processes involving shipment data collection and verification.
- Entered shipment data regarding international clearance using DUPLEX, an IBM 3270 terminal emulator.

Fedex Express – International Document Agent (Indianapolis, IN)

Oct 2020 – Jul 2022

- Developed and maintained 13 Excel macros using VBA that reduced time to complete tasks by 60%.
- Processed 800+ air waybills per night to ensure proper clearance through US Customs.
- Developed and maintained a Java application to automate 4 web processes used by 16 staff members.