WILLIAM PENNEBAKER

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Work Experience

DEVSECOPS SOFTWARE ENGINEER Intern– Assurant, Inc. – Miami, FL   May 2020 – March 2021
- Reduced wait time between Networking IT tickets by 99% while simultaneously decreasing completion time by nearly 13 hours.
- Optimized Assurant's resource spending by increasing human labor efficiency by 40%.
- Developed an automation process in an Agile framework conducive to shortening the systems development life cycle and providing continuous delivery with high quality software.
- Leveraged various technologies such as: Python, REST API, YAML, Ansible Tower, Azure, ServiceNow, and Palo Alto Panorama Firewall.

LEARNING ASSISTANT – Florida International University – Miami, FL   Jan 2019 – May 2020
- Lead weekly labs for Java Programming 1.
- Prepared lesson plans, assisted in holding lectures, and curated challenging assignments intended to help students learn the fundamentals of object-oriented languages, basic programming concepts, amplify logical thinking, code efficiency and increasing their proficiency in Java.

Related Projects

Automated Currency Exchange Machine
- Developed a C program that converts dollars to multiple different currencies.
- Used mpicc to make the program run in parallel, which converts multiple amounts of dollars to multiple different currencies in a faster time.
- Utilized: C programming, Message Passing Interface for C (mpicc) and Ursula.

Expert Air Advice
- Designed a desktop application to emulate the employee dashboard of the Expert Air Advice website.
- Implemented an interface to manage sales leads, service calls, contract cards and saving customer information to a database.
- Utilized: Java, JavaFX, CSS, and MySQL.

Education

MS in Computer Science, Expected Dec 2022
Florida International University
GPA: 3.63

BS in Computer Science, Aug 2021
Florida International University
GPA: 3.63

Relevant undergrad coursework: Programming 1-2, Systems Programming, Data Structures, SQL Database
Relevant grad coursework: Advanced Software Engineering, Intro to Algorithms, Principles of DB Management

AA in Computer Science, Apr 2018
Broward College
GPA: 3.5

Qualifications

Technical Languages
- Knowledge in: Java, Python, MySQL, Html, CSS, ReactJS

Technologies
- Visual Studio Code, IntelliJ, Azure, ServiceNow, Ansible Tower