Benjamin H Lance

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Education

University of Central Florida | Orlando FL   *expected start: August 2023*
Admitted for Bachelor of Computer Science

Gulf Coast High School | Naples, FL   *Graduated May 2023*
AP's, Honors, GPA 4.85 Weighted
Coursework - AP Calculus AB, AP Computer Science Principles, AP Government,
AP Environmental Sciences, AP Psychology, AP US History, AP Human Geography

Skills

Languages: Python, C, C#, JavaScript, CSS, HTML, SQL
Frameworks: .NET Framework, Flask, Bootstrap, jQuery
Software: Visual Studio, VSCode, GitHub, Jira, Office Suite

Experience

Collier County Government IT Division | Naples, FL   *Summer 2023*
Software Development Intern (Enterprise Applications Team)
- Researched and troubleshot a login authentication security bug dealing with session state
- Developed, tested, and deployed a security fix to resolve the security bug
- Partnered with a Senior Software Developer to refresh county pay website

Panera Bread | Naples, FL   *June 2022 – July 2023*
Team Leader
- Customer service, attention to detail, maintaining productivity in intense situations
- Acted as a role model for other employees, train new hires, work in a team setting

McAlister's Deli | Naples, FL   *December 2020 – October 2021*
Food Prep/ Cashier
- Took orders with attention to detail, improved customer relations, establish a welcoming environment
- Worked multiple positions at once, took orders, packaged food, maintained a clean work environment

Projects

BetterBook – C# .NET MVC, CSS/JS/HTML, jQuery, Bootstrap, SQL Server
Full-stack application with the purpose of helping users find and store books
- Uses Google's Books API to fetch data
- Features include user authentication, searching for books, saving books, removing saved books, learn more about books, recommended books
- Uses SQL databases to store users' books and authentication data

Conway's Game of Life - JavaScript
Demo Available
This is a personal project I created in part to better my programming fundamentals, but mostly to nourish my fascination with the Game of Life
- Implemented an accurate recreation of The Game of Life that models the population growth and decay of cells
- The application uses a bitmap as a liaison between a visualization and the code
Code available upon request

Certifications

Harvard's CS50x
Introduction to the intellectual enterprises of computer science and the art of programming
- Constructed low level file manipulation applications in C
- Implemented low latency spell checker in C – 196,784 words in 0.62 seconds
- Used SQL queries to interpret and analyze databases in meaningful ways
- Designed functional web pages with Flask framework as well as HTML/CSS/JavaScript