Justin Day

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Recent computer science graduate that gained an appreciation and interest in Cyber security after a class in cryptography. Looking to apply skills learned and new found passion to help protect people in the ever evolving world that is increasingly reliant on cyber technologies. A quick learner that is also a methodical and hard worker.

EDUCATION

CompTIA Security+   In progress
CompTIA IT Certifications

Google Cybersecurity   July 2023
Google Cybersecurity by Google on Coursera

BS in Computer Science   May 2023
Queens College CUNY

RELEVANT COURSEWORK

Object-Oriented Programming, Data Structures, Computer Assembly, Theory of Computation, Algorithms, Database Systems, Data Mining, Information Org and Retrieval, Operating Systems, Computer Architecture, Cryptography, Internet and Web Technologies, Data Communication, Software Engineering, Linear Programming, Discrete Mathematics, Linear Algebra, Probability and Statistics

SKILLS

Languages: C/C++, Java, Python, JavaScript/TypeScript, HTML/CSS, PHP, SQL
Tools: Git, Unix Shell, Node.js, VS Code, JetBrains IDE's, Splunk Enterprise, Google Chronicle, Wireshark, MS Office Suite, Google Workspace

PROJECTS

Looking for Group | *JavaScript, HTML/CSS, Node.js, Leaflet, VS Code*   https://bit.ly/3Pb1rLX
- Full-stack web application school group project for groups to be created and group members to chat to one another with a Geo-location feature to facilitate meet ups
- Uses the Leaflet applet to render map and allow groups to be made and bound by not only group members, but also with a Geo-location
- Solved problems with web browser security regarding device location and synchronization of states of different groups

RSA Crypto-system | *Java, C, MeatAxe, IntelliJ*   https://bit.ly/3KR713x
- Group project to attempt to break a RSA crypto-system with modulus of 70 digits. The group mainly used Java because of familiarity
- Used Java to implement a working version of the quadratic sieve to break down the 70 digit modulus to a relations array of possible factors, and then used C package MeatAxe to do the linear algebra to try and find the correct factors
- A challenge was finding the best smoothness bound that would not cause the program to run on too long, but the resulting array was big enough that through MeatAxe, a meaningful result would be returned

EXPERIENCE

See's Candies | *Sales Representative*   Aug 2019 - Apr 2023
Worked with small team to sell gourmet chocolate and candies. Responsibilities include front of store point of sale, merchandising, tracking inventory and restocking orders. One to one interactions with customers lead to greater sales and maximum satisfaction

Modern Chinese School | *Teacher's Assistant*   Sept 2013 - Aug 2018
Volunteer at cultural after school and summer school. Taught martial arts to kids aged 6-13 material teacher wanted to teach. Resulting end of semester performance was always highly regarded