ADAM BOUKER

✉ adambouker@gmail.com

📞 847 219 4804

github.com/b0uks

linkedin.com/in/adam-bouker

EDUCATION

University of Texas
Austin, TX

Computer Science (B.S.)

GPA: 3.75

Class of 2022

SKILLS

Proficient:
  Python, Java, C, Git, Linux

Experienced:
  C++, Groovy, Assembly, JavaScript, HTML

Exposed:

  Haskell, CSS, Flutter, Flask, Dart

CERTIFICATES

Certified Incident Responder (PagerDuty)

RELAVENT COURSES

Algorithms

Data Structures

Operating Systems

Network Security & Privacy

Neural Networks

Computer Architecture

Networking

Programming for Correctness & Performance

System Analysis & Design

EXPERIENCE

R&D INTERN - *Trend Micro, Austin, TX*   *Jun 2021 – Aug 2021*
- Improved continuous integration pipeline efficiency by 15%
- Created and deployed multiple Jenkins pipelines to aid in data collection
- Parsed HTML with BeautifulSoup to gather data on microservice tests
- Leveraged Amazon Web Services to host an Elasticsearch instance
- Used Kibana and Elasticsearch to gather and visualize and store test metrics
- Created Slack Integration to allow for detailed status updates on automated tasks

STUDENT TECHNICIAN - *Applied Research Labs, Austin, TX*   *Jan 2020 – May 2020*
- Developed and implemented internal project collaboration tools
- Used JavaScript, HTML, and CSS expertise to improve website design
- Collaborated and increased program functionality using Git best practices
- Restructured code design and improved readability by following style guide

CIVIL ENGINEERING INTERN - *DLZ Construction, Chicago, IL*   *June 2018 – Aug 2019*
- Mastered time management skills by balancing several projects independently
- Evaluated technical schematics and prepared project layout for construction
- Completed over 15 survey and construction projects
- Trusted with operating expensive equipment under tight time constraints

PERSONAL PROJECTS

LINDY-SPORTS TRACKER
- Created website tracker to follow and update user on changes to product availability status
- Created listing database using **Shelve** module, allowing for object persistence
- Packaged program into executable using **PyInstaller** allowing program usage on any system

EBAY TRACKER
- Tracked eBay listing status with **BeautifulSoup** and Regular Expressions
- Created listing database and notified user through email and **Twilio** SMS services if an item status changed to be unavailable

STUDYMODE
- Web application for the formation of study groups through topic, location, and relationship metrics, eliminating difficulties present on other platforms
- Built user data intake and event population with **Python** and **Flask**, contributed to user interface/design with **Bootstrap-CSS**

VIBE-CHECK
- Chrome extension that filtered negative text and maintained crucial information
- Implemented a **JavaScript** recursive function to web-scrape text, feed it to the Natural Language and Sentiment Analysis API which identified offensive text
- Initially web-scraped with the **BeautifulSoup** and **Request's API**, and filtered language through a self-trained machine learning model

AT-HOME-NAS
- Constructed hardware to meet specifications required to maintain multiple concurrent connections to the server with high data-transfer speeds using **RAID**
- Configured user privileges and security aspects to ensure confidentiality
- Integrated Raspberry-Pi computer to maintain a separate up-to-date backup utilizing **Linux** software such as **RSYNC**

REACTIVE-LED
- **Arduino** project for taking audio input and outputting LED patterns
- Created **C++** program within **Arduino IDE** to analyze frequencies and send signals to hardware for corresponding frequencies
- Designed and soldered a circuit that meets specification requirements of LEDs

CAMPUS INVOLVEMENT

INFORMATION SYSTEMS AND SECURITY SOCIETY   *Mar 2020 – Present*
- Acquired industry skills and competencies through workshops and labs
- Participated in Capture-the-Flag competitions

NOBE INVESTS   *Aug 2020 – Present*
- Created bi-weekly presentations and stock evaluation briefings

DEFENSIVE SECURITY CLUB   *Aug 2018 – May 2019*
- Analyzed common exploits when trying to break into a system
- Competed in mock Cyber Defense Competitions
- Explored common pitfalls while defending corporate information systems