

Jack Vogt

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Education

University of Alabama at Birmingham - BS in Computer Science

Aug 2018 - Dec 2021

- **Courses:** OOP in Java, Algorithms and Data Structures, Automata/Formal Languages, Systems Programming, Computer/Cloud Security, Mobile App Development
- **GPA:** 3.77

Skills

Languages: Python, Javascript, SQL, Java, C, Kotlin, Swift
Technologies: React.js, Angular.js, Flask, PostgreSQL, Bash, Git, GitLab CI/CD, Docker, Linux, MacOS

Professional Experience

UAB Computer Forensics Research Lab Software Developer

Birmingham, AL
Nov 2020 – July 2022

- Designed **Web Archiving service** for archiving and replaying web pages visited by scrapers
 - Captured and stored WARC records using PyWayback (PyWb)
 - Created an Elasticsearch Index for efficiently searching WARC records
 - Created UI component to display archived web pages using React.js
- Extended **Account Manager App** to manage phones and phone numbers used by the lab
 - Added new Forms to frontend to allow input of new phone information using React.js
 - Extended Flask API to support posting and fetching phone data
 - Extended database to store phone information, relating phones to stored accounts
- Add category support to **News Listener App**
 - Worked with analysts to determine desired categories for news sites and articles
 - Added categories to database and updated stored data accordingly
 - Added option to sort and filter articles and sites by category on frontend
 - Created Masonry layout for efficiently displaying news articles on frontend

Protective Life Software Developer Intern | Acquisitions and Conversions Team

Birmingham, AL
Jun 2020 – Nov 2020

- Refactored internal analyst tools
 - Designed and implemented **Drag and Drop** component
 - Added new form to frontend to insert A&C data into database utilizing Angular.js, Node.js and SQL

Projects

- **Smart Home** React app to control home appliances and display utility statistics
- **Habit Tracker** Android app to track habits on daily, weekly, or monthly basis
- **Simple Program Parser** Parse a given program with Python and return an Abstract Syntax Tree
- **Space Invader Game** Simple JavaScript implementation of a Galaga-style game

Interests

UI • UX • Data Mining • Self Study • Music • Fitness • Cats