

Chase Manning

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[LinkedIn](#)

Education

University of North Georgia - Dahlonega, GA

Mike Cottrell College of Business - *Bachelor of Computer Science*

GPA: 3.48/4.00

Relevant Coursework: Data Structures & Analysis of Algorithms,
Computer Organization & Architecture, Software Engineering,
Databases, Networking & Communications, Network Security,
Information Security, Operating Systems & File Organization,
Programming Languages

Additional Coursework: Script Programming, Web Programming,
Mobile App Development

Technical Skills

Languages

Python, Java, SQL, HTML, CSS,
JavaScript, JSON, Powershell, BASH

Libraries & Packages

OpenCV, Tensorflow, Tkinter, Numpy,
JavaFX, SpeechRecognition, Pillow,
OpenAI, Flask, Smtplib, Email,
Multiprocessing, Selenium, Express,
CORS, Stripe

Technologies

Linux (Ubuntu, Debian), Windows,
Docker Compose, Cloudflare, Github,
Apache Server, OpenWRT, Pfsense,
WireGuard, Tailscale, MySQL,
MongoDB, Android Studio, Amazon Web
Services, Wireshark, VirtualBox, Wfuzz,
UptimeKuma, Stable Diffusion, Node.js

Development

Data Structures, Scrum Techniques,
Optimization for Big-O, Networking,
Team Coordination and Leadership, Test
Driven Development

Security

Security Minded Development, Network
Security, Incident Response, User
Awareness Training, Vulnerability
Assessment, Systems Management

Interpersonal

Conflict Resolution, Public Speaking,
Customer Service, Patience, Active
Listening, Team Communication

Projects

USB-HID Wi-Fi Keyboard

Used Python, MicroPython and two Raspberry-Pi creating a system to control a computer remotely using the libraries: USB-HID, OS, Socket and Keyboard.

Web-Scraper with Text Notifications

Used the Python libraries Selenium and Multiprocessing to scrape various web-pages checking for the “In Stock” criteria then using the Email library with a Google SMTP server to send a text message containing details on the product.

Mock Radiology Imaging System

Led a team in developing a JavaFX based Radiology Imaging System. The goals set included the modernization of the UI without impacting user performance and implementing HIPAA standards. Additionally, an AWS SQL database was created allowing for scalability.

Restful API with Monetization

Developed an API using Node.js, Express, and CORS allowing users with a active API key to query the server. Keys become active after receiving payment through the Stripe API. Paired with MongoDB and a React frontend users can access API features programmatically or through the browser.

Homelab Server

A self-hosted server with multiple web-apps. Mostly containerized in docker and hosted on a Proxmox cluster the services are accessible through a Wireguard VPN.

OpenAI and Google API Voice Interface

Used Python to create a voice interface with OpenAI’s Chat-GPT, using Google for their cloud Text-To-Speech.

Publications

Chase D. Manning. (2023). Deep Dive: Detecting AI-Generated Faces. UNG Annual Research Conference 2023, March 24, 2023.
<https://ir.ung.edu/work/sc/8441a1b3-ecad-4abd-b292-10faefd3c1fb>

ChaseFun Development. (2023). *Fast Hash Generator* (Version 1.0.1) [Chrome Extension] . Chrome Web Store.
<https://chrome.google.com/webstore/detail/fast-hash-generator/gklminhgnbdfcnhiceboecegidoebem>

Certifications

United Nations SDGs Awareness Training - January 28th 2022

Work Experience

Chief Technical Officer, 01/2024 to present

Metro Office Technologies - Gainesville, GA

- Managed the IT security of business critical accounts.
- Setup the IT infrastructure reflecting the customers needs.
- Swift completion of customers IT tickets.

Lumber Sales Associate, 08/2021 to 01/2022

Home Depot - Dacula, GA

- Maintain Appearance of the lumber aisle including flattening palettes and basic janitorial operations.
- Supervise operations of heavy lifting equipment including: Forklift, Lift-truck, Order-picker.
- Assist customers in locating the desired product through usage of the in-store aisle system and the Home Depot website

Line Chef, 08/2019 to 12/2019

Waffle House - Winder, GA

- Maintained appropriate store appearance through keeping station clean and performing regular cleanings of the store's facilities.
- Interacted and listened to customers in order to fulfill requests and foster a positive experience for them.
- Work alongside others in a high-paced volatile environment where sudden atypical action may be needed to maintain order.

Cart Attendant, 08/2018 to 01/2019

Target - Bethlehem, GA

- Cleaned and maintained the front of the store creating a positive first impression for guests.
- Greeted and assisted guests in finding merchandise or loading.
- Assisted other departments in their tasks.