Sebastian R. Crowell

200 Barnes Street, Carrboro, NC, 27510 910-333-7662 sebastiancrowell@yahoo.com Github: SebastianCrowell

Objective

Learn and expand on Machine Learning or Artificial Intelligence software design for personal and commercial use.

Education

March 2016 - May 2018

Coastal Carolina Community College - *Associates of Science - Transfer Student*

- Microsoft, Adobe, and Maple proficient
- Utilized Unreal Engine & Unity for game development
- Proficient with AutoCAD design programs and some physics engines
- Graphic Design experience with Adobe suite, GIMP, 3DS Max, Maya, and Substance

August 2018 - 2021

University of North Carolina at Chapel Hill - *Bachelors of Science- Computer Science*

- COMP: 401, 410, 411, 426, 455, 495 (Nano-tech), 550, 560, 562
- Active leader of BLUE and member of Carolina Data and Analytics
- Experience with Adobe XD, Figma, JavaScript, C++, C, MIPS, Python, Pandas, Numpy, Matplotlib, etc.

Experience

Feb 2022 - Present

Brooksource – *iOS & AWS Developer*

- Worked with VPC, EC2, Lambda, Authorizer, Terraform, Route53
- Apigee API work with xCode iOS work
- Concourse pipeline work for CI/CD with Bitbucket

Feb 2021 - Jan 2022

Carillon AL – *Lead Programmer and Data Analyst – Under CEO Karen Moriarty*

- Developed UML diagrams to explain different programs and track spending
- Work on extensive API implementations and ways to parse large amounts of information
- Troubleshooted multiple applications to implement bug fixes
- Headed meetings with the VP's and CEO to discuss technical solutions

Apr 2021 - Dec 2021

Prometheus – *Mobile Developer – Under Dev Lead Tony Ursetto*

- Development on a mobile application (UWP & Android) that utilizes SAP
- Utilizing technology like GitLab, Jenkins, Docker, SQL, VS Code
- Coding done primarily as Xamarian forms application in C# with some xCode
- Handled support calls for clients to fix bugs, modify releases and mitigate lost contracts

Aug 2020 - Feb 2021

WiderNet – *Sole Android Developer – Under CEO Cliff Missen*

- Android studio experience, Oracle VM experience in android versions 5-9
- Used a LAMP stack on android devices with WebView (Full stack development)
- Worked with Nginx, Apache Maven, MariaDB, LiteSpeed, MiniWeb and Kali Linux
- Developed an offline internet solution for use in nations with poor infrastructure

Aug 2018 - May 2020

UNC Chapel Hill – *Work Study – Code Closer/Software Toolsmith – Under Prof. Diane Pozefsky & Jeff Terrell*

- Met with clients to discern both sides expectations (phone and in person)
- Set-up a timeline with achievable goals, assisted by trello, pomodoro and slack
- Met with clients on a rotating basis with my partner and co-programmer to plan the application
- Worked on a google map application for NC Botanical Gardens
- Worked on computer science graduate tracking w/ MongoDB, Docker, Java, Node, Auth0

Projects

- Designed 5 complete 2-D video games with different objectives and varying content
- Created enterprise mask detection machine learning models, fall detectors and staffing solutions
- Helped save ~$6000 by assisting in programming a Gas Chromatography machine (3800 Varian GC)
- Made a game, site and credential system using Firebase, React, AJAX, JavaScript, Express and HTML

Languages

Java - 3 years	SQL - 3 years	C # - 2 years	C++ - 2 years	Javascript - 2 years
Python - 2 years	HTML5 - 2 years	PHP - >2 years	Android - 1 year	C - 1 year
iOS - 1 year	AWS - >1 year	ARM - >1 year	Terraform - >1 year	

Accomodations

Membership - President of the Social Science's club, VP of the Graphic Novel club, VP of the LGBTQ club, Founder of the Students Against Destructive Decisions club in Coastal, PHI THETA KAPPA Honor Society member

Community Service - Healthy Kids Running, United Way/CHEW, Wounded Warriors, town parades, representative of Coastal Carolina Community College for fundraising, Wildlife Reserve representative for Possumwood Acres