CHELSEA IP

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SKILLS

Languages : Python, Java, C++, Assembly (Motorola 68K)
Deep Learning : Tensorflow, Panda3D, OpenCV, Anaconda, Numpy, PIL
Frontend/Client : Javascript, HTML5, CSS3, jQuery, AJAX, Node.JS
Backend : Flask, Django, AWS (EC2, Elastic Beanstalk, S3, DynamoDB, Boto3), Azure, REST APIs, SOAP, ASP.NE**T**
Tools/Databases : Visual Studio, Xamarin, VSCode, Google Cloud Platform, Google Firebase, MySQL, GitHub, Git, Unity

EDUCATION

Georgia Institute of Technology   *Aug 20 – Present*
Masters of Science, Computer Science
Machine Learning Concentration; Related Coursework : Knowledge Based AI

University of Washington   *Sep 2018 – July 2020*
Bachelor of Science, Computer Science and Software Engineering; Cumulative GPA: 3.45/4.0
Related Coursework : Technical Writing, Software Engineering, Cloud Computing, Data Structures, Database, Web Development, Analysis Design, Software Project Management, Operating Systems and Hardware.

EXPERIENCE

ADP, LLC
Application Developer   *Oct 2020 – Present*
- Designed an I-9 processing system with **Oracle DB**, **Java/Spring Boot**, and **Angular** in an **Agile**/**Scrum** environment.
- Work closely with product management to define, implement, and improve User Experience (**UX**) via front end tools.

Skive It
Software Engineering Intern   *Jul 2020 – Sep 2020*
- Assembled and tested 2 Computer Vision models to analyze **34** different feelings.
- Slashed build me to **1.5** milliseconds for Real-time Facial Recognition & Emotion Detection systems.
- Prototyped and deployed Deep Learning applications to an embedded device using pretrained networks in **Python 3**.
- Designed algorithms and mathematical models based on the feeling spectrum.

MedIntellibase Intelligence Solutions
Software Engineering Intern   *May 2019 – Dec 2019*
- Built personalized **iOS/Android** push notifications with **Xamarin Forms**, **Azure Notification Hubs** and **Firebase server**.
- Migrated **100+** lines of code to refine 12 core features from **Python 2.7** to **Python 3.5** and **Django 1.8.7 to 2.2.5**.
- Revamped **60%** of the automation website (User Log In + Advanced Search tool) features for the content managers.
- Fixed 10+ bugs by altering database schema and data along with some changes to core back end code.

Green Guide Inc.
Mobile Application Developer   *Apr 2019 – Sep 2019*
- Performed **10+** bug fixes improving the overall application performance by **95%** for 100+ monthly app users.
- Oversaw proper integration of customer review systems from web application to Android mobile application.
- Deployed a beta version of the app to Google Playstore and performed unit tests on the Android emulator.

PROJECTS

Miranda   *July 2020 – Aug 2020*
Best Use of Google Cloud @Hacks' 20 + Best Active Tooling Category @Duckhacks' 20
- Built app to help de-escalate law enforcement situations and inform users of Miranda rights.
- Transcribed 3 audio files longer than **80** minutes using **Google's Speech Recognition API** in Python.
- Performed sentiment analysis using **Google's NLP API** processing the speech-to-text produced.

Raven's Progressive Matrices   *Aug 2020 – Oct 2020*
- Implemented an AI agent that can identify **192** visual/verbal problems via **RMS** difference, **Python PIL** & Numpy libraries.

68K Disassembler   *Mar 2020 – Oct 2020*
- Designed a 68K Disassembler that translates **15** instructions from machine language into assembly language.
- Wrote **400+** lines of test scripts to iteratively test the output and achieved **97.77%** accuracy in the process.