Cameron Blair Simmons

410-707-1381 | cbsimmons4@gmail.com | github.com/cbsimmons4 | Orlando, FL

Education:

University of Maryland - College Park (UMD) *College Park, MD*

B.S. Computer Science, Mathematics (Minor) *(Graduated Dec 2019)*

- *GPA: 3.25/4.00*
- *Notable Coursework:* Advanced Data Structures, Design and Analysis of Computer Algorithms, Bioinformatics, Databases, and Tool, System Architecture, Applications of Linear Algebra, Advanced Calculus (Real Analysis)

Programming / Languages, Technologies, Skills

Languages:	Java, Python, Javascript, MySQL, C#, MATLAB, Ocaml, Ruby, R
Web Dev:	HTML/HTML5, CSS/SASS, JavaScript, ES6, Typescript, JQuery, Bootstrap, Node.js, React.js, Express.js, Socket.io, React-Redux, React-Bootstrap, Heroku.
Databases:	MySQL, Mongo DB
IDE/Tools:	Visual Studio Code, Brackets, Sublime, Eclipse, Robomongo, MLabs
Debugging tools:	Chrome Developer Tools, Mocha
Software:	Unity, Final-Cut Pro, Blender, Adobe XD
Cloud Services:	AWS, Firebase-GCP

Technical Experience:

MicroStrategy *Tysons, VA*

Software Engineering Intern *(May 2019 - August 2019)*

- Implemented MicroStrategy Library "Show Data…" feature that allows users to select pre-existing data visualizations and consume data as a grid.
- Added support for export to Excel and PDF in "Show Data…" feature.
- Added support for selecting additional data Metrics/Attributes to "Show Data…" feature.
- Added support for undo & redo in Microstrategy Library
- Utilized: React.js, React-Redux, CSS/SASS

Received full time Associate Software Engineer offer, accepted. Rescinded due to COVID-19

UMD Distance Education Technology and Services College Park, MD

Technical Director *(August 2019 - Dec 2019)*

- Provide technology support to faculty, and facilitate distance students' learning experience.
- Operate video equipment used to broadcast courses, recording each class.

Projects:

Open Weapon Site Finder (OWSF) *College Park, MD*

Member (team of 3) *(April 12 - 14th 2019)*

- Submission of Bitcamp Hackathon 2019 (*1,200+ participants)* - Winner of the best digital forensics hack and 3rd for best machine learning hack.
- Built open-source initiative for finding military sites using publicly available remote sensing data from Sentinel's C-Band radar.
- github.com/rytse/owsf
- Utilized: Python, Tensorflow, ArgGIS, Google Cloud Platform, Keras, and Google Earth Engine.

UMD-CS Honors Seminar Research - Predicting Synthetic Lethal Genetic Interactions *College Park, MD*

Student Researcher *(August 2018 - December 2018)*

- Bioinformatics, predicting synthetic lethality among genetic interactions using graph network machine learning on genetic interactions.
- Lead Author and Presented at the UMD Semesterly CS Honors Symposium.
- github.com/aravindkoneru/CMSC396H
- Utilized: Excel, Python, scikit-learn, Node2Vec, LaTex.

UMIACS Virtual and Augmented Reality Laboratory *College Park, MD*

Student Researcher *(February 2018 - May 2018)*

- Help integrate new technologies with visitor experiences for The Phillips Collection art museum in Washington DC.
- Help create a VR museum that allows users to view, interact with, and curate virtual art galleries.
- Utilized: C#, Unity, Oculus VR

Losing Your Marbles - Game Programming *College Park, MD*

Student Game Developer (team of 3) *(February 2019 - May 2019)*

- Game Programming course final project. Seeking game, with first person shooter mechanics in a procedurally generated map.
- Main Contributions: Procedurally Generated Connected Maze and Forest, Runtime NavMesh bake, Main Menu, Audio, MiniMap UI, Loading Scene Management, Player Movement.
- github.com/cbsimmons4/Losing_Your_Marbles
- Utilized: C#, Unity, Unity Assets Store

React-Socket.io Chat Room

- Live feed web app chat room using websockets - chat room UI, unique username login, user logout, and community chat.
- https://github.com/cbsimmons4/React-Chat
- Utilized: Node.js, Express.js, React.js Socket.io, react-icons, and Heroku for deployment

wejumprope.com

- My first ever website, built for WEjumpROPE LLC, featuring an online shop using PayPal buttons, modals with updated YouTube playlists, contact page, and live instagram feed for @wejumprope.
- Utilized: Responsive Design, HTML, CSS, JavaScript, Bootstrap, and Plesk for deployment.