

Daniel Ocheltree

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College Address

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12746 Gold Cup Trail
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EDUCATION

Virginia Tech, College of Engineering

Graduation Date: May 2019

Degree: B.S. in Computer Science

Blacksburg, VA

Overall GPA: 3.25

In Major GPA: 3.31

TECHNOLOGIES

Working Knowledge: JavaScript, HTML, CSS, Java, Python

Other: Angular, AWS EC2 & S3, jQuery, GitHub, MongoDB

Developing Knowledge: C, PHP, MATLAB, Bash, Kotlin

Cassandra DB, Google Maps & Calendar API, Linux

RELEVANT EXPERIENCE

Undergraduate Teaching Assistant – Blacksburg, VA

Fall 2018 & Spring 2019

- Helped students with coursework and graded assignments for CS 3604: Professionalism.

Capital One – McLean, VA

Summer 2018

- Created an internal tool, with Angular 5, for testing the EASE web and EASE mobile messaging system.
- Deployed project on AWS EC2 instance and stored files in AWS S3.

Progeny Systems Corporation – Manassas, VA

Summer/Winter 2016 & Summer/Fall 2017

- Worked on implementing a new version of a large-scale facial recognition product suite, ClusterUI 3.0, using JavaScript, HTML, and CSS. Made design decisions, implemented new features, worked on bug fixes and updated server back-end.
- Created a new website for the Intelligent Solutions Group from scratch with JavaScript, HTML, CSS, and PHP. Made key design decisions and had input on content. Continued maintaining the website by managing contact and support forms, pushing out new content, and working on web routing.
- Wrote an algorithm to pick up key words from Notice to Mariner (NtM) documents to speed up the process of logging landmarks and geographic features.
- Created HTML forms for National Geospatial-Intelligence Agency (NGIA). Used by mariners to report new landmarks, changes in geographic features, and buoy locations.
- Created a web app from scratch with JavaScript, HTML, CSS, and Python to calculate the roll, pitch, yaw, size, and location of faces in images using Euler angles and rotation matrices. Used by annotators to gather facial rotation data for Progeny's SPOTR recognition software.

EXTRACURRICULAR ACTIVITIES

IEEE Webmaster

Summer 2018-Spring 2019

- Created a [new website](#) for the Virginia Tech IEEE Chapter.
- Planned and helped manage IEEE events.
- Designed graphics for different events.

CS Mentor Club

Fall 2017- Spring 2019

- Matched with a student looking for CS help guidance.
- Taught Python and Web Development skills not taught in class.

Carbon Hackathon

2018

- Created tldr, an Alexa skill that summarizes news stories for people on the go.

Landlord Project

Fall 2018-Spring 2019

- Worked on creating a web application for landlords with smaller properties to collect rent.

The Big Event

2016, 2017, 2018, 2019