

# Dale Yarborough

919-830-5771 | yarboroughd@appstate.edu

---

## EDUCATION

Appalachian State University, Boone NC  
Bachelor of Science in Computer Information Systems  
Major: Computer Information Systems  
Major GPA: 3.37  
Skills: Unity3D, AWS, C#, JavaScript, SQL, NoSQL

May 2018

### Certifications:

Amazon Web Services Certified Developer – Associate, 2018  
Certified Unity Developer, 2016

---

## EXPERIENCE

**Appalachian State University**, Boone NC

February 2017 to Present

### Makerspace Student Developer

- Operate 3D printers, vinyl cutters, sewing machine, CNC router, HoloLens, HTC Vive
- Use Simplify3D, Cura, VCarve Pro ShopBot Edition
- Program Raspberry Pi and Arduino single board computers
- Construct a virtual reality application for students using Unity3D

**Cardinal Innovations Healthcare**, Charlotte NC

May 2017 to August 2017

### SharePoint Developer

- Governed SharePoint user and group intranet permissions and enable custom built .Net applications for sites and pages via ControlPoint and PowerShell
- Administered ManageEngine ticket queue, architect projects with department representatives, and utilize HIPAA compliant in-house API's
- Built lists on SharePoint and create forms using Nintex plugin, custom CSS and JavaScript

---

## PROJECTS

**Apperion Solar Car Team**, Appalachian State University, Boone NC

August 2016 to December 2017

### Developer

- Developed Amazon Alexa skill for team to test new members' knowledge of 2017-18 Formula Sun Grand Prix regulations
- Constructed and maintain solar car team website using Squarespace: <http://appstatesvt.com>

**Vixster**, Appalachian State University, Boone NC

October 2015 to February 2016

### Technical Volunteer

- Architected scalable, fault-tolerant infrastructure on Amazon Web Services by deploying CloudFormation stack
- Established partnership with Appalachian Cookie Co., created promotional offer for first 100 new users to receive a dozen cookies free

---

## HACKATHONS

**Reality, Virtually Hackathon**, Cambridge, MA – MASSACHUSETTS INSTITUTE OF TECHNOLOGY

November 2016

### Team: RealityPlane

- As a team of 5, our team harnessed the power of the Microsoft HoloLens to create a haptic feedback sensor tablet. First, we created a Unity plugin for communicating with Bluetooth devices. Afterwards, we created an Arduino Circuit and integrated it into a custom fabricated tablet with a vibration motor to create haptic feedback. To track the location of the tablet, we integrated Vuforia AR tracking into the HoloLens. Lastly, we also created an interactive game displaying the potential of the device.