


# Ben W Schuler


## BEN W SCHULER


software, hardware, vr/ar

I love integrating software, hardware, and virtual reality while conquering new programming languages and challenges. *Especially if it's never been done!*

## CONTACT

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 513.289.8174 call / text

 BenSchuler.com

## SOCIAL

 linkedin.com/in/benwschuler

 facebook.com/ben.w.schuler

 twitter.com/benschuler

## EDUCATION

2017

**BS SIMULATION & VISUALIZATION**  
FULL SAIL UNIVERSITY  
4.0 GPA, perfect attendance

2000

**BFA ELECTRONIC MEDIA**  
UNIVERSITY OF CINCINNATI

## RECENT PROJECTS

- Designed, manufactured, programmed 6DOF **stewart platform** using CAD/CAM software, 3D printing, laser cutting, and myriad other software and hardware tools.
- Created custom hardware interface for unique **maritime simulation**, using Arduino, Unity, and 3D printing.
- Created single-rider, closed-loop, **military-style mech simulator** on a three-man team using pre-visualization mockups (physical and virtual), many construction techniques, and interfaced Unity with a Moog platform and custom external peripherals.

## PROFESSIONAL EXPERIENCE

2016

### VR / PERIPHERAL DEVELOPER, 1 MONTH CONTRACT

SAIC - ORLANDO, FL

Contract to integrate custom hardware into a VR space to overcome modern-day hardware restrictions.

**Personal Responsibilities:** Using Arduino, 9DOF sensor, custom circuit board, and a bluetooth module, I implemented hardware into a 3D-printed peripheral and integrated it into Unity.

2015

2014

### FLASH & MOBILE eLEARNING DEVELOPER

CLEARLY TRAINED - LOUISVILLE, KY

Designed, Implemented, and Programmed eLearning solutions for clients in the commercial and healthcare industries. Using Adobe Flash, Articulate Storyline, and HTML5 canvas, we distributed these applications on both PC and mobile platforms.

2014

2008

### FREELANCE APPLICATION DEVELOPER

SELF-EMPLOYED - TUBA CITY, AZ; PHOENIX, AZ; LEXINGTON, KY

Utilized web technologies (HTML, CSS, JavaScript, Flash, WordPress) to develop and maintain websites, web banners (rich media, video), & kiosks.

2008

2005

### APPLICATION DEVELOPER

GYRO / HSR BUSINESS TO BUSINESS - CINCINNATI, OH

Utilized web technologies (HTML, CSS, JavaScript, Flash, PHP, MySQL) to develop and maintain websites, web banners (rich media, video), & kiosks.

## TECHNICAL SKILLS

| LANGUAGES/TOOLS  | VR/AR HARDWARE  | SIMULATION/CAD/CAM | HARDWARE        |
|------------------|-----------------|--------------------|-----------------|
| C/C++            | HTC VIVE        | UNITY              | ARDUINO         |
| C#/JAVA          | OCULUS RIFT     | ARDUINO IDE        | RASPBERRY PI    |
| PYTHON           | GEAR VR         | SOLIDWORKS         | BLUETOOTH / BLE |
| JAVASCRIPT       | MS HOLOLENS     | EAGLE PCB          | MOOG            |
| MS VISUAL STUDIO | LEAP MOTION     | MATLAB             | 3D PRINTING     |
| ECLIPSE IDE      | INTEL REALSENSE | UNREAL ENGINE      | WIFI - IOT      |

**OTHER:** OOP, Git, SVN, Collab, AGILE/SCRUM/Trello, HCI, PhotoShop, Illustrator, ActionScript