Daniel Litt Software Engineer

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# SKILLS

## PROGRAMMING LANGUAGES

* C#, Python, Java, JavaScript, Typescript, C, C++, HTML, CSS, SASS, SQL, MySQl, Oracle SQL, PHP, Swift, LaTeX

## TECHNOLOGIES

* Git, GitHub, GitHub Pages, Perforce, Unity, VR, Blender, Fusion 360, 3D printing, Arduino, AutoHotKey, Google Cloud Platform, GSAP, Three.js, React, Puppeteer, REST, Firebase, Figma, Jira, Trello

## SOFTWARE DEVELOPMENT METHODOLOGIES

* Agile Methodologies, Scrum, Kanban, Extreme Programming

# DEVELOPMENT EXPERIENCE

## [Ball State SSRC](http://cms.bsu.edu/academics/centersandinstitutes/ssrc), Muncie IN *— Lead Developer*

AUGUST 2017 - JULY 2020

* Constructed a [VR simulation](https://www.delitt.com/vroom) designed for social work students using Unity, C# and Firebase
* Designed [custom simulation hardware](https://www.delitt.com/scent-device) using Fusion 360, Arduino and C
* Filed full patent for: “[**Universal 4D-Attachments for Head-Mounted Displays with Olfactory Simulation**](https://uspto.report/patent/app/20200129997)”
* Led small team of developers using Kanban-based framework
* Ported application to desktop and [mobile VR](https://www.delitt.com/vroom-go) and web-based environments
* Built custom assets for simulation using Blender and Substance Painter to create immersive environment
* Architected pipeline to expedite simulation data processing using React and Google Cloud Platform

## [Digital Corps](https://digitalcorps.bsu.edu/), Muncie IN *— Developer*

AUGUST 2020 - MAY 2021

* Implemented [interactive 3D content](http://www.thanksforlaughing.com/american-humor.html#/american-humor) for the David Letterman Learning Experience, using JavaScript, HTML, CSS and Three.js
* Overhauled [Ball State’s remote teaching](https://www.delitt.com/bsu-remote-teaching) site to use tiered pay system, and comprehensive content showcase
* Collaborated with Ball State PBS to add [interactive Bob Ross experiences](https://ballstatepbs.org/bob-ross-quote-generator/) to their website, with PHP backend, JavaScript, HTML and CSS

## PROJECTS

* [Auto Door](https://www.delitt.com/auto-door): Designed and built IoT door opener using Arduino, C and 3D prints
* [RefReps](https://www.delitt.com/ref-reps-admin-portal): Built a content management system for an officiating training application using Unity, C#, React, and Firebase
* [Weather Clock](https://www.delitt.com/weather-clock): Created small IoT weather station with custom PCB

# EDUCATION

## Ball State University, Muncie IN *— Computer Science/Engineering*

AUGUST 2017 - MAY 2021 | GPA 3.953 | Graduated Summa Cum Laude