

# JUSTIN L. ESPIRITU

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## EDUCATION

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**University of Wisconsin - Oshkosh**  
*Computer Science | Software Engineering Emphasis*

*December 2018*  
*Bachelor of Science*

## SKILLS

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### Languages

· C#, Javascript, HTML/CSS, Typescript, Java, PHP, SQL, Python, C/C++, Batch, Latex

### Frameworks & Libraries

· MVC, .Net Framework, .Net Core, Vue, Angular 2+, AngularJS, jQuery/jQuery UI, Knockout, NodeJS, Teamcenter ITK, Teamcenter SOA

### Databases

· MySQL, Microsoft SQL Server, Firebase

### Tools

· TFS, Github/GitLab, Trello, Jira, Google Analytics, Mercurial

## PROFESSIONAL EXPERIENCE

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### Software Engineer

*Aperture Labs LLC*

August 2020 - Present  
*Waukesha, WI*

- Full Stack Development
- Configure, design, & develop E-commerce websites with nopCommerce
- Design & Develop custom plugins for nopCommerce & EpiServer
- Design & Develop custom extensions for inRiver PIM
- Monthly Lunch & Learns we're developer share & teach new knowledge to other developers

### Teamcenter Implementations Engineer

*Mercury Marine*

January 2019 - July 2020  
*Fond Du Lac, WI*

- Collaborate with local & remote team members in developing & executing Teamcenter solutions
- Configure teamcenter BMIDE, BOM Management, Workflows, Access control, Change Management, Dispatcher Configuration, & other Teamcenter Modules
- Customize Teamcenter using standard Teamcenter APIs
- Troubleshoot Teamcenter technical issues at various levels such as installation, deployment, & configuration
- Perform data modeling & data mapping process in assistance with business analysts & solution architects

### Web Application Developer

*University of Wisconsin - Oshkosh*

March 2017 - December 2018  
*Oshkosh, WI*

- Rewrote the Advising Worksheet, an application for advisors at the Under Graduate Advising Resource Center (UARC) & Student Success Center (SSC) that streamlines the process of creating education/graduation plans for students, from plone to AngularJS.
- Created AngularJS directive for developer to accelerate & simplify the process to create multi-add fields to forms
- Provided detailed documentation in Confluence for developers to use newly created directives & applications

### Research Assistant

*University of Wisconsin - Oshkosh*

Jan 2017 - May 2017  
*Oshkosh, WI*

- Created a program in Python 2 using the Natural Language Tool Kit (NLTK) library to gather data on articles & create simple summaries on provided articles.

## PROFESSIONAL PROJECTS

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### Secura

*Epi Server*

January 2021

- Develop admin customizations to update website from the backend
- Redesign & create css for mainsite & blog

- Maintain & fix ongoing issues
- <https://www.secura.net/>

## **Portescap**

November 2020

*inRiver*

- Develop plugin to create tables using data from inRiver PIM
- Integrate inRiver PIM with Adobe inDesign to create catalog pages
- Configure & initialize fields for Adobe inDesign integration
- Streamline the process of creating product catalog pages
- Create Documentation for Client on how to use inRiver & inDesign

## **Osborn**

October 2020

*inRiver*

- Develop customization to custom plugin to download & create cvs/excels of product images

## **Aperture Labs**

August 2020

*inRiver*

- Develop a custom plugin that integrated with removebg api
- Remove background from images that were put into the PIM
- Develop a schedule task that would run this on the server at scheduled time

## **Ultrasource**

March 2020

*inRiver*

- Initialize & configure inRiver PIM
- Import products into the PIM

## **CSP**

January 2020

*nopCommerce*

- Develop custom extension to create various print files
- Allowed CSP customers to create custom sign labels, custom safety equipment, multi-layer pdf, etc.
- Develop email system to help keep track of ongoing orders
- Maintain & fix ongoing issues

## **Arbor Day Foundation**

January 2020

*nopCommerce*

- Develop custom front end/customer functionality for e-commerce site
- Develop custom back end/admin functionality for e-commerce site
- Develop custom SQL queries, functions, & stored procedures
- Integrate Google Analytics to streamline business analytics
- Integrate ipgeolocation api to automatically get customer locations
- Maintain & fix ongoing issues
- <https://shop.arborday.org/>

## **JJKeller**

November 2019

*nopCommerce*

- Develop custom extension to create custom print labels
- Maintain & fix ongoing issues

## **Aperture Labs**

October 2019

*inRiver*

- Develop custom template & functionality for model state viewer
- Streamline the process of being able to add & delete model states

## **Secura**

August 2019

*nopCommerce*

- Develop custom reporting to keep track of ordered products for administration

## **Teamcenter Support**

April 2019

*Teamcenter Solutions Engineer*

- Provide daily support for Teamcenter Issues
- Create, debug, & Modify custom ITK code
- Collaborate & meet with team for daily stand-ups (Agile Methodology)
- Research & find solutions for issues noted in daily stand-ups

## Teamcenter Upgrade

March 2019

*Teamcenter Implementations Engineer*

- Upgrade multiple Teamcenter environments to Teamcenter 12.x
- Configure Teamcenter Servers to cloud based infrastructure (Azure)
- Review Teamcenter Production Environment configurations & extract all production configuration settings
- Deploy Active Workspace 4.1 for Teamcenter
- Integrate Solidworks with Teamcenter
- Establish a cache server
- Rebuild all current customization & conduct basic customization testing
- Deploy Active Work Space for Teamcenter
- Test, validate, & document Teamcenter Development environments

## Teamcenter Rollback

March 2019

*Teamcenter Implementations Engineer*

- Perform a full database & Teamcenter 11.4 rollback
- Create &/revise attributes using BMIDE
- Create backups & full documentation for client
- Deploy BMIDE Templates
- Revise attribute mapping for Solidworks integration
- Create custom queries for custom attributes/properties
- Create custom style sheets to display custom data
- Perform functional testing for BMIDE changes

## Teamcenter Design Update

March 2019

*Solution Design*

- Update Training documentation for client
- Collaborate with team & client to gather training materials

## Advising Worksheet App

- Full stack development
- Built using MVC ASP.NET framework backend, angularJS frontend, & SQL as a database
- Create directives to help streamline custom form creation
- Test, validate, & document app development
- Collaborate & meet with client on a regular basis to gather information on issues & fixes
- Collaborate with project manager & client to gather requirements

## OTHER PROJECTS

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### Dead By Daylight Builds App

In Progress

- A Progressive Web App that allows users to create & save builds for the game Dead By Daylight
- Using Ionic, Angular, & Python

### Wedding Website

In Progress

- Simple website for my fiancé & I's wedding
- Using Angular 9 & Firebase

### Personal Website

- Simple Resume website using Hugo theme

### Dog Filter App

- Simple web application built with AngularJS using the Open Dogs API

### Biggest Loser App

- Collaborated with a team of five to create a web application to compare & keep track of weight loss between users.
- Took role of Requirements Leader: Ensured all requirements have been collected & documented; managed the product backlog.
- Responsible for creating & maintaining database infrastructure using MySQL/phpmyadmin.
- Collaborated with Test Leader to create Unit tests using PHPUnit

### Nerdup

- Mobile Application used to record, download, & share notes on Super Smash Brothers players
- Developed using Android Studio & Firebase as a database

### Webclicker

- Collaborated with team of four to create a web application that allowed students to answer questions created by an instructor
- Responsible for creating & maintaining database infrastructure using MYSQL/phpmyadmin