

Adrian Goetz

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Goals

Junior-level programmer with a background in Web Development seeking opportunities to expand on current knowledge and skillset while finishing a Software Development Bachelor of Applied Science at UCF. Primarily interested in developing educational applications.

Professional Skills

- Strong communication skills with a positive approach to collaborative work.
- Effective project management independently and in team environments.
- Proficient in creation and delivery of presentation and training materials.

Technical Skills

Languages

AngularJS, JavaScript, CoffeeScript, PHP, SQL, HTML5, CSS, SCSS

Software

Wordpress

Microsoft Visual C/C++

Microsoft Office Suite

SharePoint

Sublime Text 2

Microsoft Access

Git

Eclipse Java

Adobe Photoshop

Education

- **University of Central Florida**, Orlando, FL
Bachelor of Applied Science in Software Development, August 2015 - present
- **Valencia College**, Orlando, FL
A.S. in Computer Programming and Analysis, Graduated May 2015 - 3.52 GPA
- **University of Central Florida**, Orlando, FL
B.A. in Cinema Studies with a Minor in Mass Communications, Graduated May 2006 - 2.9 GPA

Professional Experience

OPS Web Applications Developer

05/14 - Present

Techrangers Team, University of Central Florida, Orlando, FL

- Fulfilling Course Development requests using software and web-based tools
- Ensuring the Accessibility of Webcourses@UCF pages, tools and resources
- Overseeing the development of Psychology Department Widgets
- Assisting Instructors and Instructional Designers with special projects
- Balancing priorities between special project and daily request load

Disney's PhotoPass Equipment Specialist, Coordinator, Trainer, Photographer

08/06 - 11/14

Walt Disney World Parks and Resorts, Orlando, FL

- **Equipment Specialist (2013 - 2014)**
 - Main point of contact for Equipment Distributors and Operation Coordinators company wide
 - Subject matter expert on PhotoPass equipment and operation procedures
 - Advise top level management on equipment needs and capabilities
 - Responsible for entire PhotoPass equipment inventory; tracking, repair and supply
 - Balancing workload between special events and daily operations
- **Coordinator (2011 - 2014)**
 - Overseeing the daily operation of PhotoPass at Disney's Hollywood Studios
 - Main point of contact between Leaders and Front-Line Cast Members
 - Working with Software Developers to refine new software for Magic Bands
 - Cleaning, tracking and maintaining equipment in PhotoPass Base
 - Monitoring and planning workload using the Cast Deployment System
- **Trainer (2009 - 2014)**
 - Developing Cast Members by providing introductory and advanced training
 - Troubleshooting technical problems with equipment in the field
 - Giving presentations on new equipment and operation procedures
 - Creating, updating and maintaining training materials
 - Developing training guidelines, Updating guidelines in changing environment
- **Photographer (2006 - 2014)**
 - Front-line Guest interaction, including sales and Guest Support
 - Show Photographer for The American Idol Experience and Jedi Training Academy
 - Sports Photographer at ESPN Wide World of Sports

Selected Projects Overview:

GMAR Conversion (2016)

GMAR is a project management database used by Instructional Designers at UCF. Previously, it had its own database of usernames and passwords, but it needed to be converted to using the standard UCF NID **LDAP login** - used to log into most other UCF sites. I replaced the existing authentication process with one that worked with the UCF Idap using `Idap_connect`. Once that was working, I made the **SQL** calls more secure by using **PHP Data Objects**, allowing for functions like `prepare()` and `bindValue()` to prevent SQL injections. I updated the program using the Techrangers' private Git repository.

Zapt Uploader Update (2015)

Zapt is an LTI created for instructors to import sections of their .docx and html pages into the Canvas Wiki pages. I was put in charge of updating it for more widespread use in production. I use **Filezilla** to access and update the files on the QA server, and GitLab for version control. The bulk of Zapt is written in **PHP** for passing information into the various processes. It uses a framework called Zombie that is used to convert the text found in the .docx and .html files into a new html document. I was able to standardize the file type and size checks, and added a **drag-and-drop** feature to make loading files from the computer easier.

UCF Psychology Department POPUP Widgets (2014 - 2015)

In 2014, the Techrangers were tasked with making Psychology Department's Pilot Online Project in Undergraduate Psychology (POPUP) Widgets accessible. There were 45 Widgets, all created in Flash, that had to be converted to an **HTML** format. To replicate the functional feel of the Flash interface, we used an **AngularJS** framework.

As one of the first members to work on the project, I quickly became the subject matter expert and main point of contact between other Techrangers working on the widgets. In addition to personally developing ten of the widgets, I trained other Techrangers on the proper procedures and formatting for the widgets, organized the team efforts using Basecamp and Google Spreadsheets and made updates to widgets using GitLab. I assigned widgets to Techrangers based on their ability, interests, and current workload, and I implemented the feedback given by the Psychology team into the widgets that were already finished.

Specific Skill Examples

HTML5

- Following proper header, paragraph, font strength and decoration tags, and table structures.
- Using HTML Include tags to link separate HTML files - creating a single, dynamic interface.
- Implementing custom elements created with AngularJS.

SCSS

- Styling elements to be intuitive but not distracting.
- Creating a consistent, organized look between widgets.

- Using specificity to override the framework styling.

CoffeeScript

- Using Object Oriented Programming concepts to create efficient and intuitive code.
- Implementing the AngularJS controller functions to ensure real-time responsiveness.
- Following coding conventions to ensure code structure can be easily understood by others.

AngularJS

- Creating Angular Controllers to organize and store objects, data and functions.
- Creating Directives for custom elements in HTML, modularizing and streamlining the code.
- Using the \$scope object to control access to data between controllers and the DOM.

PhotoPass Equipment overhaul (2013 - 2014)

In 2013, Disney PhotoPass made the conversion from the Nikon D90 to the Nikon D7000. This included over 300 camera rigs deployed in the parks, as well as another hundred in our equipment room storage - over \$500k of Nikon supplies. I used care and efficiency in receiving, storing, and processing the new cameras by adding them to our tracking database, and attaching custom components to integrate them with the Disney PhotoPass camera setup.

In addition to processing the cameras themselves, I worked with the PhotoPass deployment bases to develop new storage solutions for the equipment and worked in the park's off-hours to install the new battery charging systems. Additionally, I tracked each set of cameras in our Cinco Database to ensure they were issued to the correct parks. As an end result, the Coordinators arrived in the morning to find a brand new set of cameras and chargers without having to put in any extra work themselves.

PhotoPass Holiday Equipment Setup (2013)

For the Disney's PhotoPass operation, the winter holidays represent a large spike in activity - with an increase in the type and amount of photography positions. As a member of the equipment team, I spent the months leading up to the holidays communicating with the PhotoPass operations in each Disney theme park in both Florida and California, gathering information on what equipment each location would need to be ready, and what dates they would need them by. I created a comprehensive delivery and setup schedule, maintained communications with the parks in case of changes in their operations, and executed the delivery, setup, and any necessary face to face training for the Cast at each location.

PhotoPass Special Event Coordinator (2011 - 2013)

Disney's Hollywood Studios has two major special events during the year: Star Wars Weekends and The Osborne Family Spectacle of Dancing Lights. During my time as a Coordinator in that park, I was put in charge of these events, which constituted approximately 40-60% of the operation during those times and required a dynamic approach to the operation since each year the event was run differently with new locations and offerings.

The two major roles I played were Operations Coordinator and Equipment Support. I spent the hours leading up the events planning workload for my cast members, and during the events I operated as a

mobile troubleshooting unit, checking on each location every 15 minutes and replacing any malfunctioning equipment, to ensure that our photography positions did not lose productivity to equipment errors.

These events involved Cast Members from several departments, so a primary focus was also to communicate and coordinate with other teams in the work area, which involved attending cross-park team meetings and relaying information that would be important to our operation. At the end of each event day, I reported all significant happenings to our leadership to keep them informed of the operation.

MagicBand Integration (2012)

In accordance with a company-wide movement, Disney PhotoPass scanners had to migrate from optical to an RFID system. This meant an update in the PDAs used to accommodate Baracoda scanners; requiring new hardware for the PDA, the implementation of the Baracoda scanner, and a new version of the Rover program that was used to sort photos on the PDA. As a QA Testing Coordinator, my role was to understand the changes being implemented, create training materials, and process feedback from the in-the-field testers. I organized data received from the photographers in the field into daily reports used to fine-tune the technology and demonstrate its effectiveness to the upper management.