



Experience After UCF

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Overview

Context

- ▶ Educational Experience
- ▶ Work History

Notable Tasks

Lessons Learned

Education Experience

- ▶ Undergraduate Degrees UCF 1997-2002
 - ▶ Mechanical Engineering, Molecular and Microbiology
- ▶ Master Transportation Engineering UCF 2003-2005
 - ▶ Performed Operational Analysis using Microsimulation

Working at FDOT

- ▶ Started on Trainee Program
- ▶ Intelligent Transportation System – until earning my PE
 - ▶ 1.5 years in field
 - ▶ Working design and construction
- ▶ Project Management Supervisor – 4 years
 - ▶ Managing the design of resurfacing and operations projects
 - ▶ I-4 Ultimate Operations Analysis
- ▶ District ITS Engineer – Since 2013

Notable Tasks

- ▶ ITS Project Manager
- ▶ Project Management
 - ▶ Understanding the business side of FDOT
- ▶ I-4 Ultimate and Beyond the Ultimate
 - ▶ Operations and Financial Analysis
 - ▶ ITS Technical Expert
- ▶ ITS Engineer Duties
 - ▶ Vision of the program
 - ▶ Development of policies
 - ▶ Hire lots of consultants and contractors
 - ▶ Finger in technical issues

Lessons Learned

- ▶ Choose a field based on where you want to go
 - ▶ Do you want to want to be the technical person behind the scenes?
 - ▶ Do you want to be the technical expert to the client?
 - ▶ Do you want to be winning work and managing work?
 - ▶ Do you want to set policy?
- ▶ Relationships are critical to getting a position and mobility within an organization
 - ▶ Internships are important
- ▶ Build a solid technical base in your first few years
 - ▶ You will be too expensive to do it later
- ▶ Its about who you know and what you know

General Best Practices

- ▶ Be solution oriented
 - ▶ Problems are opportunities to make a difference
- ▶ Be positive
 - ▶ Leaders say, “We will find a way”
- ▶ Be realistic
 - ▶ Quality, Speed, or Low Cost; pick any two
- ▶ Express Interest in what you care about
 - ▶ Be passionate
 - ▶ Be respectful
- ▶ Volunteer, volunteer, volunteer