

# JOHN W HODSON

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## EDUCATION

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**University of Florida, Gainesville, FL** **GPA: 3.96/4.0** **August 2016 to May 2020**

*Bachelor of Science in Computer Engineering*

- Coursework - Algorithm Design, Programming Language Concepts, Object Oriented Programming, Data Structures & Algorithms, Principles of Computer System Design, Database Systems Implementation
- Honors - President's Honor Roll (Spring 2019, Fall 2019), College of Engineering Dean's List (Spring 2018, Spring 2019, Fall 2019), Bright Futures Florida Academic Scholar (100% tuition coverage), Anderson Scholar (top 1% academically, class of 2020)

## STUDENT ORGANIZATIONS

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**Association of Computer Engineers (ACE), Gainesville, FL** **January 2018 to January 2019**

*External Outreach Chair*

- Planned and implemented biweekly outreach events for a club with a reach of nearly 1000 members.
- One of 11 leaders responsible for the management and growth of the organization via discussion and decision making on key issues.
- Mentor in the career development mentorship program to underclassmen members.

**Sigma Nu Fraternity, Gainesville, FL** **January 2019 to January 2020**

*Vice President of Administrative Affairs*

- One of 4 leaders directly responsible for the management of a member body of over 60 individuals.
- Maintained records and detailed minutes of many dozen meetings over two semesters.
- Assisted in the planning of several philanthropic events, including the annual  $\Sigma N$  Sets and Nets, giving back to St. Jude Children's Research Hospital.

## COLLEGE & DEPARTMENT LEADERSHIP

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**Thomas O. Hunter Leadership Scholarship** **2019 - 2020**

- Awarded by the Herbert Wertheim College of Engineering at the University of Florida to identify 6 future leaders in the field of engineering.
- Leadership Scholarship Award intended to highlight and award those who have displayed exceptional merit in leadership activities and academic scholarship in the department.

**Helen E. Khouri Memorial Scholarship** **2019 - 2020**

- Awarded by the Department of Electrical and Computer Engineering (ECE) at the University of Florida for excellence in academics, extracurriculars, and leadership in student organizations.

**Matthew Martin Memolo Memorial Scholarship** **2018 - 2019**

- Awarded by the Department of Computer and Information Science and Engineering (CISE) at the University of Florida to 10 "outstanding" CISE undergraduates in a department of over 2,500 students.

**Ralph Sias Scholarship** **2018 - 2019**

- Awarded by the Department of Electrical and Computer Engineering (ECE) at the University of Florida for excellence in academics, extracurriculars, and leadership in student organizations.

## COMMUNITY SERVICE

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**Google igniteCS**, Gainesville, FL

**January 2017 to May 2018**

*Program Lead (formerly Logistics Director)*

- Met with Google to discuss and make key decisions on critical aspects of the sponsored program, including curriculum development and volunteer recruitment.
- Managed scheduling between Oak View Middle School and our Google igniteCS team of over 30 mentors.
- Aided students in a class size of 20 working with VEX iQ Robotics, providing guidance in basic programming principles and hardware implementation as a mentor.

## PROFESSIONAL EXPERIENCE

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**Microsoft**, Redmond, WA

**May 2019 to August 2019**

*Software Engineer Intern*

- Developed in the C# and .NET environment on Azure's Active Directory, a cloud-based service responsible for managing user identities, access management, and devices.
- Solved a major customer complaint regarding the loss of private BitLocker key data by refactoring API calls and architecting an additional external storage model to decouple the lifetime of two data objects.
- Changed the intrinsic way that the Microsoft Mezzo storage service operates by altering their data synchronization service to sync data objects with a one-to-many instead of a one-to-one relationship.

**Ultimate Software**, Weston, FL

**May 2018 to August 2018**

*Software Engineer - TechStar Intern*

- Developed and tested in C# within the ASP.NET framework in a Kanban-Agile environment on UTE (UltiPro Tax Engine), responsible for the collection of over 13,000 tax codes.
- Managed and manipulated UTE's T-SQL database with the use of Microsoft SQL Server.
- Implemented Grafana dashboard to diagnose performance issues with generation and calculation of tax forms in order to better meet SLAs.