

# JOHN W HODSON

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📶 hodsonus

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## EDUCATION

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

- Bachelor of Science in Computer Engineering
- Coursework - Algorithm Design, Data Structures & Algorithms, Intro. to Software Engineering, Microprocessor Applications, Engineering Project Management
- Honors - UF CISE Memolo Memorial Scholarship, UF ECE Ralph Sias Scholarship, Bright Futures Florida Academic Scholar (100% tuition coverage), College of Engineering Dean's List (Spring 2018)

## EXPERIENCE

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**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 and payment of over 30 billion dollars in taxes.
- 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.
- Closely collaborated with Business Analysts and used DDD practices in order to best serve end users.

**Google igniteCS, Gainesville, FL** **January 2017 to May 2018**

*Program Lead (formerly Logistics Director)*

- Communicate directly with Google and make key decisions on critical aspects of the program.
- Manage scheduling between Oak View Middle School and our Google igniteCS team of over 30 mentors.
- Aid students in a class of ~20 working with VEX iQ Robotics, providing guidance in basic programming principles and hardware implementation as a mentor.

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

*External Outreach Chair*

- Design, plan, and implement biweekly outreach events for a club with a reach of nearly 1000 members.
- One of 11 leaders responsible for the management/growth of ACE via decision making on key issues.
- Participant in career development mentorship pairing program as an active member.

**Artificial Intelligence Club (UFAI), Gainesville, FL** **August 2017 to December 2017**

*Member*

- One of 15 participants in the AI Bootcamp Workshop, gained exposure to Machine Learning basics.

**Tower Area Government (TAG), Gainesville, FL** **August 2016 to May 2017**

*General Body Member*

- Voted on key community issues and improved living conditions for the nearly 800 Beaty residents.

## PROJECTS

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**FBStatsGenie, VandyHacks IV at Vanderbilt University** **October 2017**

- Reddit bot that can be queried for the particular end-of-season stat line of an NFL athlete.
- Responsible for bulk of the coding and implementation of the PRAW and nflgame Python APIs.

**Tuteering, HackNC at the University of North Carolina at Chapel Hill** **November 2017**

- Web application that provides a free tutor matching service to underprivileged youth, provided implementation of the front-end using Bootstrap.

## TECHNICAL SKILLS AND INTERESTS

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### Front-End

HTML, CSS

### Back-End

Java, C#, Python, C++, SQL

### Miscellaneous

MATLAB/Octave, Assembly, L<sup>A</sup>T<sub>E</sub>X

### Frameworks & Tools

Git, ASP.NET, Visual Studio, Microsoft SQL Server, Atmel Studio

### Certifications

Machine Learning (Andrew Ng on Coursera), MongoDB Basics

### Interests

Physical Fitness, Spearfishing, Machine Learning, Data Science