

# JOHN W HODSON

✉ jhodson@ufl.edu

🌐 <http://www.hodsonus.com>

📠 hodsonus

📞 (727) 348-2899

## 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
- 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 (NUnit) in C# within the ASP.NET framework in a Kanban-Agile environment on UTE (Ultimate Software's Tax Engine).
- Managed and manipulated UTE's SQL database with the use of Microsoft SQL Server 2016.
- 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.

**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.
- Planned and then hosted biweekly communal events for the Beaty Towers living area.

**Kumon Learning Center, Dunedin, FL** **September 2014 to July 2016**

*Tutor & Mentor*

- Planned and paced coursework for ~15 students who I interacted with on a daily basis.
- Specialized in advanced math concepts while also providing additional tutoring in core reading.

## 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 of our website using Bootstrap and HTML.

## 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 2016

**Certifications**

Machine Learning (Andrew Ng on Coursera), MongoDB Basics

**Interests**

Physical Fitness, Spearfishing, Machine Learning, Data Science