

# NOAH COOK

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## EDUCATION

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**University of Florida, Herbert Wertheim College of Engineering**  
B.S. in Computer Science  
GPA: 3.96

Gainesville, FL  
Expected May 2021

## EXPERIENCE

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**Facebook: Messenger RT Platform Signaling**  
*Software Engineer Intern*

Seattle, WA  
May 2019 - Aug 2019

- Designed tool to easily simulate and develop new signaling protocols for real-time communication (audio and video calls) sent in over **400 million calls daily**
- Collaborated with front-end team to rebuild Messenger real-time communication for internal use with a developer's user interface
- Created JavaScript framework with layering for easy extensibility
- Languages and technologies used: JavaScript (React), PHP (Hack)

**University of Florida**

Gainesville, FL

*Undergraduate Teaching Assistant: Data Structures and Algorithms*

January 2019 - May 2019

- Teaching Assistant for UF's introductory data structures course of **300+** students
- Explained data structures contents in an understandable manner
- Graded homework, projects, and tests, and held office hours to ensure students understood course concepts

## EXTRACURRICULAR

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**Research Project: HydroPatrol**  
*Team member*

Feb 2019 - March 2019

- Created a GUI for an Arduino sensor network feeding live information about plant growth
- Utilized AJAX and a REST API to update graphs in real time.
- Languages and technologies used: JavaScript (React, Node JS, MongoDB)

**Bloomberg Codecon**  
*Global Finalist*

Gainesville, FL; New York, NY  
August 2018, February 2019

- Ranked **3/100** in local qualifying round of data structures and algorithms style competition
- Invited and competed in global finals in New York City Feb 2019
- Language Used: C++

**University of Florida Programming Team**  
*Lecturer/Competitor*

Gainesville, FL  
Sep 2018 - Present

- Presented bimonthly lectures to 40 members ranging from beginning to advanced skill levels
- Participated in weekly, 5-hour practice competitions in preparation for the International Collegiate Programming Competition
- Competed in the 2018 International Collegiate Programming Competition
- Collaborated with other officers to increase member count and retention

## RELEVANT COURSEWORK

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Data Structures and Algorithms, Database Systems 1, Software Engineering, Numerical Methods and Analysis, Discrete Structures, Computer Organization, and Operating Systems (In progress), Competitive Programming (In progress), Bioinformatics (In progress)

## SKILLS

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**Programming Languages** - C++, JavaScript ES6, React, PHP, Java, Python, SQL  
**Software** - MongoDB, MySQL