

# Nicolas Burgess

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## EDUCATION

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**The University of Georgia - Athens, GA**

May 2018

*Bachelor of Science in Computer Systems Engineering*

Overall GPA: 3.87/4.00

## PROFESSIONAL EXPERIENCE

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*Software Engineer Co Op*

May 2017 - August 2017

**SCANA Corporation**

Cayce, SC

- Developed five company web applications using HTML, JavaScript (Angular), and CSS.
- Wrote RESTful web services and called remote vendor APIs for the applications using C#.NET and SQL.
- Led information sessions and responded to user feedback to adjust and improve applications.

*Undergraduate Research Assistant*

June 2016 - May 2017

**Design Informatics Computational Intelligence Lab (DICE Lab)**

Athens, GA

- Contributed to research of mechanical ventilator parameter prediction using Inverse Mapping of Artificial Neural Networks.
- Awarded CURO grant for Spring 2017 and presented work in the 2017 CURO Symposium.
- Implemented a lung inflammation simulation written in Java and integrated research into interactive website.

*Web Developer*

December 2017 - Present

**Trellis**

Peachtree Corners, GA

- Created dashboard with ReactJS, allowing distributors to place orders and manage customer accounts.

*Application Development Intern*

February 2017 - December 2017

**Food Fitness First**

Athens, GA

- Developed a mobile application for both Android and IOS platforms using React Native.
- Assisted in selecting and training new employees.

*Undergraduate Teacher's Assistant/ Grader for CSEE 4230 Embedded Systems Design*

August 2017 - Present

**The University of Georgia**

Athens, GA

## TECHNICAL SKILLS

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- **Programming Languages:** Java; C++; SQL; JavaScript; Python; Verilog; Node.js; HTML; CSS;
- **Software:** MATLAB; RapidMiner; Visual Studio, Git, Xilinx Project Navigator; Microsoft Excel;

## PROJECTS & ACTIVITIES

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**Senior Design Project**

August 2017 - Present

- Designed a humidity/ temperature monitoring station for Baldor Electric and the University of Georgia.
- Developed database and user interface, enabling statistical analysis to be performed on the data collected.

**UGA Hacks**

2016

- Developed mobile application in school hackathon with a second team member.

**Institute of Electrical and Electronics Engineers**

January 2016 - Present

- Engineered software and assisted in hardware for small scale robotics projects.

**Eagle Scouts of America**

August 2009 - May 2014