

# Russell Weas

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russweas.com

github/rweas

linkedin/rweas

## EDUCATION

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**The University of Alabama (UA)** Tuscaloosa, Alabama  
**Bachelor of Science** in Computer Science Graduation: May 2021  
**Minor** in Randall Research Scholars Program, Mathematics GPA: 3.94/4.00  
**Relevant Coursework:** Graduate Statistics, Data Structures & Algorithms, Software Design & Engineering, Signal Analysis, Theory of Probability, Applied Differential Equations, Linear Algebra

## TECHNICAL SKILLS

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- **Skill Areas:** Data Science, Machine Learning, Dev Ops
  - **Languages:** C++, C#, Python, JavaScript, Java, MATLAB, SQL, Fortran 95
  - **Libraries:** TensorFlow, Keras, Pandas, NumPy, Entity Framework, Vue JS, React JS
  - **Tools:** Docker, dotNET Core, Windows Server, Git, AWS, Hyper-V
  - **Frameworks:** Next JS, C# MVC6

## WORK EXPERIENCE

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**The SAS Institute** Cary, North Carolina  
*Incoming Technical Intern* May – August 2020

**Randall Research Scholars Program** UA Honors College  
*Lab Manager* January 2019 – Current

- Administer Windows and Linux servers and lab installation in the only student-run computer lab at UA
- Coordinate with UA Honors College staff and student researchers to organize annual research presentations
- Install and configure new Microsoft Active Directory server to manage network authentication

**Osher Lifelong Learning Institute** UA College of Continuing Studies  
*Web Development Intern* August – December 2018

- Maintain and expand an MVC C# application for managing purchases and subscriptions
- Resolve bugs and defects identified by customers and other developers

## RESEARCH EXPERIENCE

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**Human Technology Interaction Lab** UA Department of Computer Science  
*Research Assistant* January 2019 – Current

- Apply machine learning to identify non-neurotypical brain activity in EEG headset data
- Present findings at Undergraduate Research & Creative Activity Conference
- Cooperate with domain expert in Speech and Hearing Center to design project goals and tasks

**Monopole and Exotics Detector at the LHC** UA Department of Physics  
*Research Assistant* January – December 2019

- Work under UA faculty with research group to develop image analysis software to identify particle collisions
- Produced Deep Convolutional Neural Network with preliminary ~90% accuracy to identify objects in limited dataset

## CAMPUS INVOLVEMENT

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- **Crimson Defense Cyber Security Club**
  - **Southeast Regional Cyber Defense Competition**
  - **Association for Computing Machinery**
  - **EcoCar Advanced Vehicle Technology Competition**

## HONORS AND RECOGNITIONS

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- **Presidential Scholarship**, The University of Alabama
  - **President's List**, The University of Alabama
  - **Honors College**, The University of Alabama
  - **Evans-Young Outstanding Freshman Award**, Randall Research Scholars Program