

# Logan O'Neal

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## EDUCATION

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### The University of Tennessee

*Bachelor of Computer Science*

Knoxville, TN

*Aug. 2020 – Present*

- 4.0 GPA
- Haslam Scholars Program
- Cook Grand Challenge Engineering Honors Program
- Mensa Foundation Carol Martinez Scholar and Burger King Scholar

## WORK EXPERIENCE

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### Undergraduate Research Assistant

*The University of Tennessee*

June 2020 – Present

*Knoxville, TN*

- Developed and managed the back-end of geolocation information data collection system
- Increased model precision by refining data collection protocols and automation
- Presented research results and descriptions of analysis to research team

### High Performance Computing Intern

*Oak Ridge National Laboratory, Leadership Computing Facility*

May 2019 – August 2019

*Oak Ridge, TN*

- Developed a deep learning application used to educate the public about the power of artificial intelligence.
- Attended regular meeting, wrote papers, and managed deadlines for a team.

### Web Developer

*Independent*

August 2019 – October 2020

- Built aesthetically pleasing web pages based off of client requested designs
- Developed back end e-commerce systems to facilitate user transactions
- Worked with clients to increase website traffic and sales

### Cashier

*Food City*

August 2017 – December 2019

*Jefferson City, TN*

- Gained customer service and retail skills

## LEADERSHIP EXPERIENCE

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### FIRST Robotics Team Captain and Programming Lead

*FIRST Robotics*

August 2016 – May 2019

*Knoxville, TN*

- Worked to more than double the size of the team through organizing recruitment events
- Expanded team outreach efforts to more rural and less fortunate communities

### CodeTN Team Lead

*L&N STEM Academy*

August 2017 – May 2019

*Knoxville, TN*

- Led a team developing mobile and web applications to solve problems in our local community

## PROJECTS

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### E-Bike ML Study | *Python, MySQL, Firebase, Google Cloud*

June 2020 – Present

- Modeled the relationships between bike trip attributes and bikers intended destination
- Increased model precision by refining data collection protocols
- Automated many time consuming tasks via integrated Firebase functions

### Smoky Mountain Jeep Invasion Website | *NodeJS, MySQL, Square API, Git*

August 2019 – July 2020

- Developed front end and back end of the website
- Used NodeJS and SquareAPI to sell tickets to customers
- Integrated automated email system into the back end for increased user interactions

## TECHNICAL SKILLS

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**Languages:** Java, Python, C++, JavaScript, HTML/CSS

**Frameworks:** React, Node.js

**Developer OS/Tools:** Linux, Git, Google Cloud, AWS, VS Code, Visual Studio, Firebase

**Libraries:** Pandas, NumPy, Matplotlib, OpenCV