

Nathan Collins

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PROFILE

- AI Researcher with 5 years of experience in web development
- Proficient in Python, C, C++, HTML/CSS, JavaScript, jQuery, Java, and OutSystems
- Highly awarded in programming contests

EDUCATION

Bob Jones University

BS in Computer Science GPA: 4.0

Greenville, SC

Graduated: May 2019

WORK EXPERIENCE

VisioStack: Developer / Data Scientist

Jan 2019 - Present

- Developed a state-of-the-art Computer Vision application to analyze and place images of railroad tracks
- Developed a Machine Learning application to build an inventory of a rail network

Bob Jones University: Engineering Research Assistant

Sept 2018 - Present

- Integrated various sensors into the vehicle's management system built on ROS
- Designed communication with a TARDEC software package, RTK
- Gained proficiency with robotics and path planning

Infor: Software Engineer Intern

May 2017 - Aug 2017

- Contributed to the development of Infor's internal application for deploying and testing their cloud products
- Developed chatbots to help with support and automate the deployment process
- Gained proficiency with AWS Cloud, DevOps, and Serverless apps

Bob Jones University: Software Developer

May 2012 - Dec 2016

- Developed several new web apps, both independently and as part of a team
- Maintained several large legacy web apps

AWARDS

President's List

Dec 2015 - Present

- Named to the President's List at Bob Jones University each semester for maintaining a GPA above 3.75

Competitive Programming Contests

Oct 2015 - Present

- Participated in team and individual programming contests often ranking in the top 5%
- 26th out of more than 4000 teams worldwide in IEEEExtreme 12.0
- 5th out of 184 teams in ACM ICPC Mid-Atlantic Regionals 2018
- 1st out of 70 teams in ACM ICPC Southeast Division II Regionals 2016
- 1st out of more than 20 teams at CCSC in 2016, 2017, and 2018
- 335th out of more than 12,000 individuals worldwide in the Week of Code 36 on HackerRank

COMMUNITY

Church Audio/Video Technician

2012 - Present

- Ran multimedia presentations for services at least once a month
- Lead video presentations for more than a year
- Created application to build PowerPoint presentations for services
- Made assistant technical director in July 2018