

# Ethan Tillotson

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## Experience

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### Diagnostics & Data Analytics Engineer Intern (May 2023-Aug 2023)

Textron Aviation, Wichita KS

- Designed and ordered Printed Circuit Boards using Altium Designer.
- Communicated with the Diagnostics team to order parts, creating Bills of Materials.
- Wrote Python scripts to be utilized in Functional Tests of Diagnostics Equipment.
- Ran functional tests on in-flight Recording Equipment to ensure functionality.

### Engineering Student Recruiter (Jan 2023-May 2023)

University of Oklahoma, Norman OK

- Guide tours of Engineering facilities to prospective students.
- Provide Information for incoming students and their families during University tours.
- Be a friendly face for the University Recruiting department.

### Summer Internship Program (May 2022-July 2022)

Paycom, Oklahoma City OK

- Attend multiple weeklong sessions run by Paycom Recruitment.
- Programming workshops instructed by professionals working at Paycom.

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## Skills

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|---|--------------------------------|
| • Programming Languages <ul style="list-style-type: none"><li>◦ Java, C++, Python</li></ul> | • PCB Design and Manufacturing |
| • Github & Git  | • Altium Designer              |
| • Data Structures and Algorithms  | • Electrical Circuit Analysis  |
|   | • Multisim, LTspice            |

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## Education

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### University of Oklahoma - Bachelor of Science in Computer Engineering (2020-Present)

- Engineers' Club member
- OU Artificial Intelligence / Machine learning club member
  - Share resources, thoughts and ideas. Discuss the future of AI/ML with peers.
  - Attend Annual Symposium, a large event presenting new Artificial Intelligence research at the University.
- Sooner Rover Team
  - Autonomous Driving team

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## Projects and Certifications

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LinkedIn Skill Assessments in: 'Object-Oriented Programming (OOP)' (April 2022)  
'Java' (May 2022)

Code Academy Course completed in utilizing 'HTML and CSS' in designing Web Pages. (May 2022)

### Twitter User Activity Tracker Project

- Receive a dataset of a 100x100 matrix of Twitter Users and their interactions on the app
- Iterated through the matrix and calculate the most active and influential twitter users