

# Kijan Daniel

<https://github.com/KijanDaniel/schoolWork>

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## EDUCATION

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- **Farragut High School** Knoxville, TN  
*GPA: 4.2* Aug. 2016 – May 2020
- **University of Tennessee** Knoxville, TN  
*Undergraduate of Computer Science; GPA: 3.47* Aug. 2020 – Present

## EXPERIENCE

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- **Teaching Assistant** Knoxville, TN  
*TA* August 2022 - Present
  - **Code Analysis and Grading:** I analyze students code for bugs and help them solve said bugs. I also grade student code, and check for compiler errors and more.
  - **Teaching:** I help students understand coding concepts and implementing these concepts into their coding projects.
- **OakRidge National Lab** Oak Ridge, TN  
*Internship* May 2022 - August 2022
  - **Multiprocessing:** I utilized multiprocessing to speed up the processing of big data within the pandas dataframe.
  - **High Performance computing:** I achieved increased data processing speeds when using multiprocessing on a 96 core server.
- **Public Health Care Worker** Knoxville, TN  
*Senior Software Engineer* Jan 2020 - May 2022
  - **First Aid Certified:** Red cross certified in first aid and CPR.
  - **Special Needs Skills:** I worked with people who had special needs including physical restraints and mental disabilities.
  - **Communication Skills:** I helped people develop their communication skills.
- **Native German Speaker** Germany  
*Fluent German Speaker*
  - **I German born and speak fluent German.:**

## PROJECTS

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- **Smokey Mountain Data Challenge:** Using AutoIEM data, GPS data, Temperature data, Population data, and 3D building data I had to answer various questions to find correlations between the data sets. This will be used in future city planning to improve Urbanization.
- **GitHub:** Under the GitHub link provided at the start of the resume is two years a various projects including data structures, bit manipulation, hashing algorithms, and much more.
- **OakRidge Intern Poster and Paper Presentation:** Using GPs and AutoIEM data I found correlations between the movement of people and their impact on buildings energy consume/cost.

## PROGRAMMING SKILLS

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- **Languages:** Python, Java, C++, C, HTML **Technologies:** GitHub, Git Lab, Pandas, Multiprocessing pools, L<sup>A</sup>T<sub>E</sub>X