

# Eric Altenburg

Hoboken, New Jersey, 07030  
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## Objective

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To receive an opportunity to use my technical skills and experiences from previous team-based projects to collaborate with others in an effort to produce a fully cohesive product aimed at solving real-world issues.

## Education

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- Stevens Institute of Technology**, Hoboken, New Jersey Graduating - May 2021
- Bachelors of Science in Computer Science
  - GPA: 3.85 | Dean's List 2018 - Present | Upsilon Pi Epsilon
  - Coursework: Algorithms, Automata and Computation, Computer Organization and Programming, Data Structures, Database Management, Discrete Structures, Intermediate Statistics, Intro to Web Programming and Web Development, Operating Systems, Programming Languages, Systems Programming
- Mercer County Community College**, West Windsor Township, New Jersey Transferred - Aug 2018
- Associates of Science in Computer Science
  - GPA: 3.96 | President's List 2017 | Dean's List 2018

## Skills

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**Languages** C/C++, Java, LaTeX, OCaml, Python, R  
**Machine Learning** Classifier Decision Trees  
**Operating Systems** Linux Ubuntu, macOS  
**Software** Eclipse IDE for Java Developers, g++, GitHub, IntelliJ IDEA

## Employment History

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- S.C. Williams Library**, 1 Castle Point Terrace, Hoboken, NJ 07030 Nov 2018 - Present  
Library Assistant
- Provided customer service by helping answer questions from students and members about printing, finding books, or computers
  - Upheld library standards by making sure furniture is well-kept throughout the building
- Stevens Institute of Technology, CS Dept.**, 1 Castle Point Terrace, Hoboken, NJ 07030 Aug 2019 - Dec 2019  
Algorithms Course Assistant
- Reinforce understanding of course material to students by holding office hours, meeting with them individually, leading lab sessions, and occasionally holding lectures in the absence of the professor
  - Assist professor in grading assignments and exams
- Texas State University**, 601 University Dr, San Marcos, TX 78666 Jun 2019 - Aug 2019  
Undergraduate Research Assistant
- Collaborated along-side a professor and another peer to produce a model capable of predicting drone battery consumption pre-flight
  - Built a classifier decision tree in Python designed to analyze raw flight data and produce a prediction for all the maneuvers it will perform during its flight

## Projects

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- Modified Euler 43** Stevens Institute of Technology Feb 2019
- Solved a modified version of the Euler 43 where when given a pandigital number of varying length, will find all permutations deterministically in sub 3 ms
- Philly Codefest** Drexel University May 2019
- Built a model that helps current and future students better understand financial loans used to help pay for college
  - Integrated an API from the Bureau of Labor Statistics in Java that allows one to view potential earnings in their respective field, then provides a breakdown for paying off a customized loan amount
  - Received an honorable mention from Vanguard