

Elijah Parker

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Welcome to RenderCV!

[RenderCV](#) is a LaTeX-based CV/resume version-control and maintenance app. It allows you to create a high-quality CV or resume as a PDF file from a YAML file, with **Markdown syntax support** and **complete control over the LaTeX code**.

The boilerplate content was inspired by [Gayle McDowell](#).

Quick Guide

- Each section title is arbitrary and each section contains a list of entries.
- There are 7 unique entry types: *BulletEntry*, *TextEntry*, *EducationEntry*, *ExperienceEntry*, *NormalEntry*, *PublicationEntry*, and *OneLineEntry*.
- Select a section title, pick an entry type, and start writing your section!
- [Here](#), you can find a comprehensive user guide for RenderCV.

Education

Johns Hopkins University

MS in Artificial Intelligence

August 2024 – Present

- GPA: 4.0/4.0
- **Coursework:** Algorithms, I^AT_EX

Auburn University

BS in Electrical Engineering

BS in Computer Engineering

August 2019 – May 2024

- GPA: 4.0/4.0
- **Coursework:** Computer Architecture, Electromagnetism, Algorithms, Random Signals and Systems, Digital Electronics, Analog Electronics, Control Systems, Electrical Power Engineering, Discrete Structures

Experience

Wireless Communications Engineer

Johns Hopkins Applied Physics Laboratory

Laurel, MD

June 2024 – Present

- Software Development, C++, Cellular Communications, Wireless and Wired Networks, OpenVPN, Python, GUI Development, REST APIs

Undergraduate AI Researcher

Open-Ended Reasoning and Knowledge Acquisition Lab

Auburn, AL

October 2023 – April 2024

- Implemented MFCC technique for speech recognition to extract audio features from the EPIC-KITCHENS-100 dataset for multi-modal understanding in ego-centric videos

Student Employee

Alabama Micro/Nano Fabrication Lab

Auburn, AL

February 2023 – May 2024

- Aided electrical engineering PhD students with chemical processes related to microelectronics fabrication
- Designed and manufactured custom aluminum parts with Fusion 360 and Haas CNC
- Maintained and documented Python code to streamline process of taking inventory of chemicals
- Cleaned, organized, and maintained cleanrooms, chemical labs, and equipment

Student Employee

Auburn University Electrical and Computer Engineering Department

Auburn, AL

October 2019 – May 2024

- Aided students and faculty throughout Electrical and Computer Engineering Department especially concerning production of senior design projects
- Organized, cleaned, and maintained electronics and equipment

Publications

3D Finite Element Analysis of No-Insulation Coils

Jan 2004

Frodo Baggins, *Elijah Parker*, Samwise Gamgee

[10.1109/TASC.2023.3340648](https://doi.org/10.1109/TASC.2023.3340648) [🔗](#)

Projects

Multi-User Drawing Tool

github.com/name/repo [🔗](#)

- Developed an electronic classroom where multiple users can simultaneously view and draw on a "chalkboard" with each person's edits synchronized
- Tools Used: C++, MFC

Synchronized Desktop Calendar

github.com/name/repo [🔗](#)

- Developed a desktop calendar with globally shared and synchronized calendars, allowing users to schedule meetings with other users
- Tools Used: C#, .NET, SQL, XML

Custom Operating System

2002

- Built a UNIX-style OS with a scheduler, file system, text editor, and calculator
- Tools Used: C

Technologies

Languages: C++, C, Java, Objective-C, C#, SQL, JavaScript

Technologies: .NET, Microsoft SQL Server, XCode, Interface Builder