

# Kingston Banks

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## SUMMARY

Current Electrical Engineering student with practical experience gained through various academic projects focused on power systems, automation, and AI applications. Proven ability in 3D modeling and design, complemented by a strong foundation in coding languages like Python. Demonstrated capability to work independently or collaborate within project teams, showing great attention to detail and organizational skills. Actively eager to apply theoretical knowledge in real-world settings and contribute to innovative engineering solutions that drive advancements in the energy sector.

## EDUCATION

**Bachelor of Science in Electrical Engineering**  
Georgia Institute of Technology    GPA: 3.5  
*Coursework: Power Systems, Automation, Digital Circuit Design, Renewable Energy Systems*

2027  
Atlanta, GA

## TECHNICAL SKILLS

- Programming Languages:** Python, MATLAB
- 3D Modeling Tools:** AutoCAD, SolidWorks
- Data Analysis Software:** Excel, MATLAB
- Artificial Intelligence Tools:** TensorFlow, Scikit-learn
- Simulation Software:** MATLAB, Simulink
- Version Control Systems:** GitHub, Git
- Reporting Tools:** Microsoft Power BI, Tableau
- Project Management Platforms:** Trello, Asana
- Networking Technologies:** Cisco, Juniper
- Cloud Computing Services:** AWS, Azure

## SKILLS

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|---------------|----------------------------|-------------------------|----------------------|
| • Python      | • Data Analysis            | • Simulations           | • Team Collaboration |
| • MATLAB      | • Project Management       | • Prototyping           | • Documentation      |
| • AutoCAD     | • AI Applications          | • Design Specifications | • Excel              |
| • 3D Modeling | • Engineering Calculations | • User Interface Design |                      |

## EXPERIENCE

**Engineering Intern**  
University Project  
Assisted in developing prototypes for smart grid technology during a collaborative capstone project involving advanced research into renewable energy integration.

- Conducted engineering calculations using MATLAB, enhancing system performance analysis.
- Developed 3D models of components via AutoCAD for effective stakeholder presentations.
- Automated data analysis processes with Python, which significantly improved accuracy and efficiency.
- Tracked project milestones and prepared comprehensive reports documenting progress and findings.
- Presented technical details clearly to peers and faculty, earning commendations on communication skills.
- Facilitated teamwork and nurtured collaborative problem-solving approaches throughout the project.

January 2026 - May 2026  
Atlanta, GA

**Research Assistant**  
Academic Research  
Collaborated on applying AI concepts to enhance electrical grid management through predictive analytics, contributing valuable insights for further research and development.

- Designed experiments that assessed AI solution efficacy in optimizing energy distribution.
- Drafted algorithms in Python for real-time data processing, boosting operational efficiency.
- Analyzed collected data comprehensively, aiding significantly in research paper preparation.

September 2025 - December 2025  
Atlanta, GA

- Engaged in team discussions for improving experimental setups formulated based on initial results.
- Coauthored publications detailing findings at local academic conferences.
- Strengthened foundational engineering knowledge through hands-on research experimentation.

**Team Member**

March 2026

**Hackathon Project**

*Remote*

Participated in a campus hackathon, creating a mobile app aimed at monitoring energy consumption to promote efficiency among users.

- Analyzed user energy data using Excel to deliver actionable insights for reducing consumption.
- Collaboratively designed a user-friendly application interface compatible across multiple devices.
- Rendered visual presentations showcasing evolving iterations of the application throughout the event.
- Contributed actively to planning sessions focused on aligning team goals and techniques.
- Recognized for innovative contributions and practical problem-solving during final presentations.
- Enhanced team dynamics and fostered peer engagement while managing time effectively.

**LEADERSHIP & AWARDS**

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- Dean's List, Georgia Institute of Technology, 2025
- First Place, Campus Hackathon, 2026

**CERTIFICATIONS**

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- AI Programming with Python 📅 2026
- Computer-Aided Design Certificate 📅 2026

**PROFESSIONAL AFFILIATIONS**

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- Member, Engineering Student Association, 2025 – Present
- Volunteer, STEM Outreach Program, 2025 – Present

**LANGUAGES**

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- English (Native)
- Spanish (Intermediate)

**ADDITIONAL INFORMATION**

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**Work Status** : Authorized to work in United States. No sponsorship required.

**REFERENCES**

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AVAILABLE ON REQUEST