




# Julius Broomfield

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## EDUCATION

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### Georgia Institute of Technology

Atlanta, GA

*Bachelor of Science in Computer Science, Minor in Philosophy*

*May 2026*

**Concentrations:** *Artificial Intelligence, Theory*

**Relevant Courses:** *Differential Calculus, Discrete Mathematics, Object-Oriented Programming, Integral Calculus*

## EXPERIENCE

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### Microsoft

Redmond, WA

*The New Technologists Intern*

*June - August 2023*

- Developed a web application with React.js & Flask in team of 5 during an innovation academy, enabling users to manage their digital footprint across various social media platforms
- Contributed significantly to project management using Agile methodologies, helped prioritize product features, conducted user research, and coordinated the product lifecycle, facilitating the creation of a privacy-centric MVP
- Utilized Flask for backend development, implemented secure OAuth for Instagram and Twitter
- Used Microsoft Azure to identify and report PII in user's social media posts, offering actionable recommendations for improving their overall data privacy

### Accenture

Remote

*Technology Extern*

*June 2023*

- Participated in learning sessions, networking, and engagement activities focused on how technology can solve pressing business challenges

## PROJECTS

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### Channel Growth Model

*April 2023*

- Conducted comprehensive analysis of popular YouTube channels using data visualization to identify trends
- Developed neural network regression model using TensorFlow to predict subscriber count based on key factors
- Optimized dataset preprocessing and scaling to enhance model performance and accuracy

### Video Game Recommendation Site

*July - August 2022*

- Developed a content-based recommender system for games with scikit-learn leveraging dataset of 40,000 games
- Deployed model to website using Streamlit for seamless user interaction and personalized game recommendations

## TECHNICAL SKILLS

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**Languages:** Python, HTML, CSS, Java, JavaScript (novice), React (novice)

**Tools:** Git, Linux, Visual Studio Code, Jupyter Notebook, Colab, Figma, WordPress, Jest, Azure, ngrok, Firebase

**Technologies:** TensorFlow, Scikit-learn, Pandas, Numpy, Flask, Bootstrap, Sass, Matplotlib, Seaborn

## CERTIFICATIONS

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Google IT Professional Certification 