

# Logan Bolton

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## EDUCATION

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**Auburn University** - Auburn, AL

**Expected Graduation: Fall 2025**

- Academic GPA: 3.71
- Computer Science Major

### Technologies/Frameworks

- Python, C#, Javascript, PyTorch, ASP.NET, NodeJS, SQL, HTML/CSS

### Certifications

- Azure Fundamentals (AZ-900) - Microsoft Certification in Cloud Computing

## PROFESSIONAL EXPERIENCE

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**Dr. Nguyen's Artificial Intelligence Lab - Undergraduate Researcher**

**2024 - Present**

- Co-authored a paper on the limitations of state of the art multimodal language models
  - Cited by multiple researchers and featured in prominent tech news outlets (TechCrunch, Ars Technica, etc)
- Currently leading lab efforts to develop methods that enhance multimodal models' understanding of fine-grained visual features without resource-intensive fine-tuning
- Designed, executed and analyzed the results of several large-scale experiments to identify trends among multiple AI models

**Campus Web Solutions - Full Stack Web Developer Co-Op**

**2022 - 2024**

- Developed and maintained 30+ of Auburn University's most used web applications
  - Added features and fixed bugs on Auburn's Football Ticketing System, Auburn's SGA Voting System, etc. to serve over 100,000 unique users
- Created new development environments for legacy projects allowing for faster development of new features
- Modernized three ASP.NET legacy Web Forms apps from scratch to use modern versions of the ASP.NET framework

**City of Dothan - Information Technology Intern**

**Summer 2022**

- Provided technical support to 300+ city employees and over 1,200 managed devices
- Managed server connections and resolved hardware issues for all 10+ city departments

## PROJECTS

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**Facial Recognition Model**

**2024**

- Developed a YOLOv5 model for facial recognition using a publicly available dataset of 1,500+ images
- Trained the model to quickly recognize individual faces in live video feeds even with obscured facial regions

**Twitter Disaster Prediction Model - Kaggle Competition**

**2024**

- Leveraged a fine tuned BERT model to correctly identify Tweets referencing real world disasters
- Achieved 83% accuracy on classification and ranked in the top 10% of thousands of contestants

**Markdown Notes to PDF Converter**

**2024**

- Forked the popular open source project "md-to-pdf" to automatically consolidate years of personal markdown class notes into an organized, printable PDF format

## ACTIVITIES

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**Alpha Sigma Phi - Head of Recruitment and Growth - Zeta Psi Chapter**

**2022 - 2024**

- Coordinated the recruitment efforts of the 50+ chapter members, resulting in the largest period of growth in the chapter history
- Restructured the recruitment board to more efficiently delegate responsibilities between the 10 board members