

EDUCATION

<b>University of Iowa</b> <i>B.A. in Computer Science</i> <ul style="list-style-type: none"><li>● <b>Coursework:</b> Artificial Intelligence, Computer Organization, Networks, Data Structures &amp; Algorithms, Software Development</li><li>● <b>Extracurricular:</b> Association for Computing Machinery (ACM)</li></ul> <b>Certifications:</b> AWS Certified Data Engineer (DEA-C01), AWS Certified Solutions Architect (SAA-C03), AWS Certified Developer (DVA-C02), AWS Certified Cloud Practitioner (CLF-C02), Google Data Analytics	Iowa City, IA December 2024
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EXPERIENCE

<b>Labelbox</b> <i>Software Engineer - AI Training (Contract)</i> <ul style="list-style-type: none"><li>● Evaluated data labeling accuracy of AI models during deployment by analyzing annotation discrepancies and model predictions, improving dataset quality by <b>18%</b></li><li>● Contributed to the <b>Labelbox Python SDK</b> by extending API functionality and writing documentation, enhancing developer efficiency and integration speed</li><li>● Developed automation scripts using Python to validate and clean training data, reducing manual effort by <b>30%</b></li><li>● Debugged and optimized <b>AI-assisted labeling workflows</b> by identifying edge cases in model-generated annotations, increasing labeling consistency and confidence scores</li></ul>	Remote June 2024 – Dec 2024
<b>8AM App</b> <i>Data Engineer Intern</i> <ul style="list-style-type: none"><li>● Designed and implemented efficient ETL pipelines using <b>AWS Glue, Python, and SQL</b>, automating the ingestion and processing <b>6 TB</b> of customer records from S3, reducing processing time by <b>40%</b></li><li>● Optimized query performance on large CSV-based financial datasets using <b>AWS Redshift Spectrum with S3</b>, leveraging SQL query tuning techniques to improve revenue forecasting accuracy by <b>30%</b></li><li>● Analyzed user telemetry data using <b>Python</b>, tracking retention and churn trends; visualized insights in <b>Power BI</b> and presented findings to the CEO, guiding the transition from web to mobile</li><li>● Collaborated with an agile team to perform data cleansing using <b>Python</b> and <b>Pandas</b> on 4+ years of user data, reducing data inconsistencies by <b>35%</b></li></ul>	Los Angeles, CA September 2023 – November 2023

PROJECTS

<b>SolarEnergyViz.tech</b> <i>Python, Pandas, Javascript, Seaborn</i> <ul style="list-style-type: none"><li>● Led a team of <b>4</b> to develop a machine learning-powered solar analytics platform, visualizing <b>12+ years</b> of solar data</li><li>● Integrated solar energy APIs to retrieve irradiance data and compare solar array performance across locations</li><li>● Built time-series forecasting models with <b>Prophet</b> to predict missing solar irradiance data, restoring <b>23%</b> of data</li><li>● Automated data processing and deployment with <b>GitHub Actions</b> and <b>Netlify</b>, ensuring seamless CI/CD</li></ul>	September 2023
<b>SpeechServe</b> <i>Python, TensorFlow, AWS (Sagemaker, Lambda), Docker</i> <ul style="list-style-type: none"><li>● Developed an end-to-end speech recognition system from scratch using <b>CTC</b> and a deep neural network for variable-length input/output mapping</li><li>● Built core components like acoustic modeling, forced alignment, and beam search decoding, enabling accurate speech transcription with a low error rate in performance evaluations</li><li>● Designing a modular architecture for real-time transcription with low latency, enabling scalable multi-instance execution on AWS Lambda to handle concurrent user requests</li><li>● Building a <b>FastAPI</b> backend to deploy the model, enabling real-time speech-to-text via API, targeting sub-second response times for <b>5+</b> concurrent streams</li></ul>	Aug 2024 – Present

AWARDS & ACHIEVEMENTS

<ul style="list-style-type: none"><li>● Best Data Visualization Award at Hack UIowa (SolarEnergyViz.tech)</li><li>● Built a SaaS platform generating <b>\$250k+</b> revenue using Python, image recognition, and Wireshark</li></ul>
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SKILLS

<b>Languages:</b> Python, Java, C++, JavaScript, React.js, Next.js, SQL, HTML/CSS
<b>Technologies:</b> TensorFlow, PyTorch, Scikit-Learn, Pandas, Prophet, AWS (S3, EC2, Lambda, DynamoDB, IAM, Redshift, CloudFront, CloudWatch), Azure, Docker, Kubernetes, Terraform, CI/CD (GitHub Actions, Jenkins), MongoDB, MySQL, REST APIs, Git, Unix, Visual Studio Code