Kevin Bohinski

EDUCATION

M.S. in Computer Science
Georgia Institute of Technology | 2021

B.S. in Computer Science
B.A. in Interactive Multimedia
The College of New Jersey | 2017

Relevant Coursework:

- High Performance Computing
- Distributed Computing
- Cloud Computing
- Artificial Intelligence
- Machine Learning
- Computer Vision
- Computer Graphics

SKILLS

- Distributed Systems
- Real-time Data Streams
- Software Architecture

Languages

- Java
- Python

Tools

- Flink / Spark
- Sedona
- Airflow
- Kafka / Kinesis
- Redis / RocksDB
- Postgres
- Elasticsearch / ELK
- Docker / Kubernetes / Istio
- Many-GPU Torchserve
- AWS / Azure / Google Cloud (ADK)

Other

- Raspberry Pi / Arduino
- OpenCV / NumPy / Pandas

WORK EXPERIENCE

Lead Machine Learning Engineer
Jan 2023 – Present | Comcast | Philadelphia, PA / Remote

Serve as a technical and architecture lead on the Applied AI Research team. Chiefly working on the enterprise self service RAG (retrieval augmented generation) and agentic platform. This generative AI platform has **over 500 agents and knowledge bases**, with many of them driving tangible customer and business impact.

Example agents include:

- Agent for support staff which achieved an **8.5% reduction in average handle time**
- Customer Q&A bot which **deflected over 1 million a year in costs**

Other significant contributions include:

- Click log augmentation of search re-ranking models
- Duplicate video advertisement detection
- On-screen QR code to phone
- F1 automated sports highlights
- Automation for **many-GPU** model building and deployment on kubernetes
- Mentorship for multiple junior engineers, **leading to one promotion**

Senior Data Engineer
Nov 2021 – Jan 2023 | Courted.io | New York, NY / Remote

Developed a **geospatial** and general-purpose data platform for Courted, the professional network for real estate. Lead a transition from a bottlenecked task-parallel system to a data-parallel system. Created systems to **harmonize real estate agent profiles across markets and brokerages**, providing the full picture to recruiting customers. Worked on **recruitment classification models** for agents who are rising stars, likely to grow, and likely to move. These efforts have **improved latency from multiple hours to minutes**, **reduced AWS spend by over 40%**, and **allow the company to continue its expansion to multiple markets more rapidly**.

Machine Learning Engineer
Nov 2017 – Nov 2021 | Comcast | Philadelphia, PA

Designed and developed a platform that operationalizes real-time ML models and eliminated bottlenecks in training with big data, deployment, analysis, and monitoring, all while being capable of **scaling to billions of predictions per hour**. This platform supported popular products including the Xfinity Voice Remote, significantly increasing satisfaction of over 27 million customers and reducing support calls. Managed an intern throughout their six-months, helping them contribute to the project.

Software Engineer
June 2017 – Nov 2017 | AT&T Labs Research | Bedminster, NJ

Worked with researchers and AT&T's Big Data teams to improve the support experience through machine learning, natural language processing, and big data. Worked on the NLP classification pipeline and a data visualization dashboard.

TECHNICAL PROJECTS

chronicel
Spring 2017 | *github.com/kbohinski/chronicel*

HackTCNJ's registration system built on Flask and MySQL, integrates with MyMLH, MailChimp, MailGun, PubNub, and Slack. The site automatically managed the waitlist and had a robust administrative interface.

Med-Echo
Fall 2016 | *devpost.com/software/med-echo*

An Amazon Alexa medical assistant made with AWS Lambda and Node.js. Via the FDA and Twilio APIs, Med-Echo provides intelligent assistance for the user. Built at HackRU and won two prizes.

gitRecommender
Spring 2015 | *github.com/caneroj1/gitRecommender*

A GitHub recommendation system built in Java using Tomcat. It relies upon k-NN and Machine Learning Decision Trees in order to come up with open-source repository recommendations that the user would potentially be interested in.

LEADERSHIP AND ACTIVITIES

Honors Received
Comcast Innovation in Action – Ideator Award | *2025*
Comcast Innovation in Action – Everyday Innovator Award | *2025*
#13 worldwide in Mario Tennis Aces | *March 2019*
TCNJ Computer Science Service Award | *2015, 2017*
Dean's List | *Spring 2016*
HackRU Sponsor Prizes | *Fall 2016, Spring 2017*
Winner of TCNJ Net Impact Social Innovation Challenge
Eagle Scout

Open Source Contributions
Contributed to Apache Flink and Apache Sedona

Positions Held
Vice President / President, *TCNJ ACM* | *Fall 2016 / Spring 2017*
Webmaster, *TCNJ ACM, TCNJ WiCS* | *Fall 2014 - Fall 2016, Fall 2016 - Spring 2017*
HackTCNJ Organizer, *TCNJ ACM* | *Fall 2014 - Spring 2017*
Computational Cluster Development Team, *TCNJ CS Dept.* | *Fall 2014 - Spring 2017*