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Kevin Bohinski

Software Engineer

EDUCATION

M.S. in Computer Science

Georgia Institute of Technology | 2020

B.S. in Computer Science

B.A. in Interactive Multimedia

The College of New Jersey | 2017

Option Courses:

- Artificial Intelligence
- Cloud Computing
- Computer Graphics
- Dynamic Web Apps
- Advanced Browser Tech
- Machine Learning
- Music Programming
- Computer Vision

SKILLS

Languages

- Java
- Python
- JavaScript
- C++
- Go

Tools

- Real-time Data Streams
- Apache Flink & Spark
- OpenGL
- OpenCV
- MySQL & Elasticsearch
- Arduino & Raspberry Pi
- MongoDB
- AWS
- Git
- Maven & ANT

Web

- Tomcat & Flask
- React
- HTML & CSS

RECENT EXPERIENCE

Senior Machine Learning Software Engineer

Nov 2017 – Present | Comcast | Philadelphia, PA

Design and develop a platform that operationalizes real-time ML models to improve the customer experience for 27 million customers by eliminating bottlenecks in training with big data, deployment, analysis, and monitoring, all while being capable of scaling to billions of predictions per hour. Widely popular products including the Xfinity Voice Remote utilize this platform, resulting in measurable increase to customer satisfaction, and reduction in support calls. A recent talk is available at <https://www.slideshare.net/FlinkForward/flink-forward-san-francisco-2018-dave-torok-sameer-wadkar-embedding-flink-throughout-an-operationalized-streaming-ml-lifecycle>.

Software Engineer

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

Worked with AT&T Labs Research 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.

Software Engineering Intern

June 2016 – August 2016 | PubNub | San Francisco, CA

Worked with the core team for the summer on a project that saves the company 1.2 million dollars per year via a more efficient cost-effective distributed log pipeline engine. This pipeline consolidated a tier of servers and was implemented in Go with ZeroMQ, beanstalkd, and Consul.

TECHNICAL PROJECTS

chronicel

Spring 2017 – Present | github.com/kbohinski/chronicel

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

Med-Echo

Fall 2016 | <https://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

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 Committee Member, TCNJ ACM | Fall 2014 – Spring 2017

Computational Cluster Development Team, TCNJ CS Dept. | Fall 2014 – Spring 2017

Honors Received

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