Troy Kubanka

linkedin.com/in/troy-kubanka

SKILLS

- **Data & Statistical Analysis**
  - SQL
  - Python
  - R, RStudio
  - Alteryx
  - Oracle Analytics

- **Software Development**
  - Java
  - C++
  - React
  - JavaScript
  - PHP
  - AWS
  - Azure

- **Business Intelligence**
  - Microsoft Excel
  - Power BI
  - Publisher BI
  - Financial Statements

EDUCATION

Bachelor of Arts in Computer Science with a minor in Data Science; High Point University
Graduation Date: May 2025

Bachelor of Science in Finance; High Point University
Graduation Date: May 2025

EXPERIENCE

Paychex

Data Engineer   Jan 2025-Current
- Develop an API that collects Salesforce reports and stores them in Snowflake.
- Create custom Snowflake tables, transfer and clean data from DocuSign and Azure.
- Architect scalable data solutions for analytics and business intelligence.

Data Manager & Business Intelligence – Tier II   Sept 2024-Jan 2025
- Developed and maintained Oracle Analytics dashboards to support data-driven decisions.
- Collaborated with coworkers to develop predictive models and data processes.
- Tested and validated data products to ensure accuracy in analytics solutions.

High Point University

Undergraduate Researcher and Published Author   Sept 2023-April 2025
- Researched and developed ambitious VR exposure therapy environments in UE5.

- Incorporated biofeedback data collection through sensors to dynamically adjust the VR.
- Presented at conferences, published paper with IEEE, partnered with Steve Wozniak.

Tutor – Computer Science   Sept 2023-Apr 2024
- Offered guidance and tutoring for entry to intermediate-level computer science classes.
- Held personal office hours for students and assisted with lab work.

Sports Media Inc.

Computer Science Intern   July 2024-Sept 2024
- Contributed to LLM & API development for an affordable PhoneAI customer solution.
- Assisted in building a new dashboard that stores and sorts live customer data.
- Developed and updated frontend web applications.

Accounting & Analytics Intern   June 2024-July 2024
- Assisted the finance team in small accounting tasks, analytics, and generating reports.
- Managed and updated financial databases, contributing to process improvements.

Lozana, LLC

Full Stack Web Applications Intern   June 2023-Aug 2023
- Assisted in front-end and back-end development.
- React and JavaScript for front-end development.
- Ruby and Ruby on Rails framework for back-end development.

PERSONAL PROJECTS

Workout Family Application for Mobile and Web - Full Stack Development
- Features included group or family overview, AI support, and leaderboard competitions.

Push-up Mobile App – Swift, iOS, XCode
- Mobile Push-Up+ app to remind users and increase push-up count over time.

Professional Website – JavaScript, CSS, HTML
- Personally developed website that showcases my work as an undergraduate student.

Card Website– SQL, MySQL, phpMyAdmin
- Interactive website and database to browse price history of sports & Pokémon cards.

MLB Database – SQL, MySQL, phpMyAdmin
- Designed and developed a personal database that recorded MLB World Series records.

CERTIFICATIONS

Microsoft Office Specialist: Excel Associate (Office 2019)
- Issued by Microsoft

Career Essentials in Generative AI
- Issued by Microsoft

Finance Fundamentals
- Issued by Bloomberg

CAMPUS LEADERSHIP INVOLVEMENT

VP | HPU Minds – The Woz Project   Sept 2022-Current
- Develop dynamic VR environments in Unreal Engine for VRET therapy to ease fears.
- Appointed as VP for the organization in 2023. Manage teams, meetings, and finances.
- Took lead as author on research writeup to present and publish prototypes at conferences.

- Work together with Apple Co-founder Steve Wozniak.

Research Apprentice | Research Rookies   Aug 2022-Current
- Volunteer at research events, assist with set-ups, and help others present their research.
- Provide analysis and insights to researchers less familiar with analytical tools.

OTHER CAMPUS INVOLVEMENT

Member
High Point University
     Real Estate Club
     Investment Club
     Entrepreneurship Club
     Honors Program

MAJOR COURSES

Computer Science
     Capstone Software Engineering
     Advanced Programming with Data Structures
     Advanced Programming with Algorithm Development
     Web Technologies & Full Stack Development
     System Security
     Information Security
     Database Systems
     Computer Systems
     Discrete Structures
     Calculus
     Statistical Analysis with R Applications
     Physics with Python
     Graph Theory & Network Science

Finance
     Financial Modeling
     Financial Accounting
     Managerial Accounting
     Financial Management
     Corporate Finance
     Microeconomics
     Macroeconomics
     Econometrics
     Supply Chain Management & Organizational Behavior
     Fixed Income Analysis
     Investment Analysis
     Real Estate Investment Analysis
     Practical Excel for Business