

# **Troy Kubanka**

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## **SUMMARY**

Dedicated and ambitious professional passionate about software development and analytics. Experienced in diverse software environments and programming languages, coupled with successful project initiatives using data analytics. Eager to contribute skills and grow within an IT environment alongside motivated peers.

## **SKILLS**

- **Software Development**
  - Python
  - Java
  - Amazon Web Services (AWS)
  - SQL, SQL Database Manager, MySQL, phpMyAdmin,
  - C, C++
  - JavaScript
  - Ruby, Ruby on Rails
  - Swift, XCode
  - PHP, CSS, HTML
  - Unreal Engine, VR
  - Assembly
  - UNIX
  - VI
  - Raspberry Pi
- **Data Analysis**
  - R, RStudio
  - Oracle Analytics
  - Power BI
  - Microsoft Excel
- **More**
  - Microsoft 365 Products
  - Google Workspace Products
  - Teamwork, Communication, Collaboration
  - Time Management, Project Management
  - Critical Thinking, Problem-Solving

## **EDUCATION**

Bachelor of Science 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**

**Data Manager & Business Intelligence – Tier II** | Paychex Sept 2024-Current

- Develop and maintain reporting & analytics dashboards to support data-driven decisions.
- Collaborate with cross-functional teams to develop predictive models and data processes.
- Test and validate data products to ensure accuracy in analytics solutions.

**Computer Science Intern** | Sports Media Inc. July 2024-Sept 2024

- Contributed to LLM & API development for an affordable PhoneAI customer solution.
- Assisted in transferring and securing private company information to a new cloud host.
- Developed and updated frontend web applications.

**Accounting & Analytics Intern** | Sports Media Inc. June 2024-July 2024

- Collaborated in teams to understand financial challenges & opportunities in the industry.
- Supported the finance team in generating financial reports.
- Assisted in organizing materials for budgeting and forecasting activities.

**Tutor – Computer Science** | High Point University 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.
- Provided resources and gave effective strategies to break down challenging problems.

**Undergraduate Student Researcher** | High Point University Sept 2021-April 2024

- Engaged in multiple student research initiatives related to diverse topics.
- Collected, analyzed, and presented data using tools like Excel, Power BI, R, Qualtrics.
- Collaborated with researchers, professors, and other students across numerous semesters.

**Website Developer Intern** | Lozana, LLC June 2022-Aug 2022, June 2023-Aug 2023

- Developed frontend, backend, and database architecture for ecommerce web apps.
- Worked with HTML, CSS, JavaScript, PHP, Ruby, RoR framework, SQL, MySQL.
- Interned in summer 2022 and returned in summer 2023.

## **PERSONAL PROJECTS**

**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

## **CAMPUS LEADERSHIP INVOLVEMENT**

**VP & Developer** | 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

Entrepreneurship Club

Real Estate Club

Investment Club

Cybersecurity 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