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
- 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