SIMON KURMASKIE

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EDUCATION

Bachelor of Science in Psychology
University of North Carolina, Chapel Hill | Graduated Fall 2025
Major GPA: 3.5/4.0 | Dean's List (**3 semesters;** 2024 Spring, 2024 Fall, 2025 Spring)
Relevant Coursework: Design and Making for Engineers, Statistical Principles, Calculus I, Cognitive Psychology, Clinical Psychology, Research Methods, Applied Machine Learning, Urban Transport and Planning
Technical Skills: Python, Java, JavaScript, CSS, R, C, C++, AutoCAD, Autodesk Fusion, Circuit Design

EXPERIENCE

Architectural Drafter
AKAI | Raleigh, NC | Summer Intern June - September 2024, 2025

- Utilized AutoCAD to draft digital construction documents and drawings
- Worked directly with clients to translate project requirements to technical plans
- Collaborated with multidisciplinary team to integrate proposal, engineering, and design phases of architectural projects

PROJECTS

UNC Chapel Hill BeaM Makerfest 2025 (Awarded 3rd Place)

- Team lead for 5 person team operating to design and manufacture a circuit controlled, 3D-Printed pet toy
- Won 3rd place out of 100+ entries across UNC Chapel Hill Maker Community
- Implementation included custom designed and hand-wired circuit board and motor programmed in C++ to achieve fine motion control, with multi-part 3D design created in Autodesk Fusion and printed with Fusion3 3D Printer

Machine Learning Student Outcome Analysis

- Designed machine learning models to predict long term student wellbeing and outcome based on near term grade attainment and psychological self-reports
- Performed feature engineering and visualization using R and Python resulting in >70% accurate predictive capability for student success outcomes
- Uncovered significance in difference of effects between State versus Trait Psychometric variables on long term student performance

Civil Planning Municipal Site Review (Durham City Government)

- Team lead for multi-day site civil review measuring traffic patterns through a mixed use residential/commercial corridor spanning a school zone
- Utilized speed measurement devices and conducted statistical analysis to uncover daily usage trends and best methods for improving pedestrian safety
- Drafted paper providing summary of identified safety concerns with proposed improvements and submitted findings to Durham City planning board