Benjamin Craver

| Phone: +1 (xxx) xxx-xxxx | Email: xxxxxxxx@xxxx.xxx | bencraver.com |

Education

- North Carolina State University Spring '18   GPA: $\bar{x} > 3.83$ $S^2 = 0.145$
  - Industrial and Systems Engineering major, Statistics minor with main interest in <u>programming</u>
- Seoul National University Spring '17
  - Courses in Finite Element Analysis, International Finance, Aesthetics and Korean Politics

Work/ Project Experience

- Undergraduate Research Assistant at the DIME Lab (2017-Present)
  - Exploring in a Data Intensive Manufacturing Environment working towards 'smart manufacturing'
  - Focus on automation, data analysis, blockchain/smart contract applications and integrated machines

Optum Technology of UnitedHealth Group - Technology Development Intern (Summer 2016)
  - Cyber Forensics Investigator, Malware Reverse Engineer
  - Built malicious email analysis engine using python to automate and collect data

Teaching Assistant for ISE 110 - Computer-Based Modeling for Engineers (2015- 2016)
  - VBA macros in Excel with emphasis on algorithm development and design projects
  - Responsibilities include grading homework, hosting office hours and helping in class

Excel VBA Project and Modeling Projects
  - Designed and programmed a scheduling interface for hospitals using VBA & Excel
  - Developed a stochastic model for returns for Lenovo to find process errors
  - Built simulation model of global logistics system and optimized distribution center location

Hackathons
  - Prize winner at Georgia Tech Hackathon and NC State Future Pharmacy Hackathon

Skills

Programming (in order of fluency)
  - Python, VBA (for excel), R, SAS, SQL, Java, JavaScript, HTML
  - Experience with SQL and NoSQL databases, object oriented programming and data analysis

3D Modeling, Machining and Manufacturing Techniques
  - PLC programming and experience with industrial and personal manufacturing equipment
  - Rockwell CCW, SolidWorks, Surfcam, AutoCAD & Autodesk Inventor,

Statistics and Data Science
  - Coursework in regression analysis, machine learning algorithms, stochastic models, actuarial science, classification and statistics in quality control

Volunteering

-Red Cross blood drive recruiting, Habitat for Humanity & camp staff at Fort Caswell