Aaron Kelly

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University of Wisconsin-Madison, B.S. Applied Math | Expected December 2019

Work Experience

Jahn Research Group | 2019 Madison, WI
  Research Specialist
  ◦ Leading authorship team for US Special Forces report on the strategic relevance of Food Systems. Responsible for research, writing, and communication.
  ◦ Evaluating emerging disaster tech startup companies.

RateLinx | 2019 Madison, WI
  Software Development Intern
  ◦ Led initiative to optimize dynamic scaling of Microsoft Azure databases using Azure REST APIs.
  ◦ Performed custom updates to client code base, wrote documentation, and provided support.

Quad/Graphics | 2018 Sussex, WI
  Software Development Intern – Optimization
  ◦ Built a large scale non-linear manufacturing optimization model on an Agile development team
  ◦ Achieved $500,000/year in savings by implementing clustering algorithm and validation in **C#**
  ◦ Invited to give talk on convex optimization to 20+ member company-wide analytics group

Greenheck Fan Corporation | 2017 Schofield, WI
  Manufacturing Engineering Co-op
  ◦ Analyzed manufacturing process to create $125,000/year in savings and implemented capital project
  ◦ Delayed assembly capacity problems two years using advanced excel formulas to balance workloads
  ◦ Developed new graph theory based company method to map and reorganize plant layout. Initiated a strategic plan to integrate the solution and gain buy-in from multiple levels of management

Forest Springs Camp and Conference Center | 2015 - 2016 Westboro, WI
  Staff Counselor | 2016
  ◦ Oversaw staff life, resolved conflicts, and provided mentorship for 110+ summer staff
  ◦ Created, and facilitated an original 10-week series of large group study sessions for 60 people

Skills

  ◦ Experience in **C#** and **Java**. Exposure to **Julia**, **Python**, **SQL**, **Jupyter Notebooks**, and **Tableau**.
  ◦ Coursework in Optimization, Linear Programming, and Stochastic Modeling
  ◦ Industry experience: Lean and 5s implementation, Value Stream Mapping, Preventative Maintenance, Change Management, facilitating Action Workouts

Service

  ◦ UW Badger Navigators, four years - 10-12 hours weekly of leading small groups and mentorship
  ◦ Our Wisconsin, two years – Facilitated Diversity & Inclusion workshops for groups of 75+ students