**Vaughn Ohlerking**

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**Software Engineering Intern**

**EDUCATION**

**Louisiana State University (LSU), Baton Rouge, LA December - 2022**

**Bachelor of Software Engineering with Minor in Mathematics**

**Relevant Classes:**

Numerical Methods-2.7

Advanced Data Structures and Algorithm Analysis-3.3

Honors Multi-Dimensional Calculus-2.7

Object Oriented Design-4.0

Computer Organization and Design-2.7

Operating Systems-3.3

Elementary Differential Equations and Linear Algebra-2.3

Cloud Fundamentals and Web Programming-4.0

Optimization Theory and Applications-3.7

Probability-2.3

**PROJECTS**

**Misc. programs**

Flight Scheduler-Java

Citation Generator-Java

Cache Reader-Assembly

Multithreaded Matrix Solver-C Numerical Interpolator-Java

Board Game Roll Simulator-Python

**Various Matrix Optimizers:**

Newton’s method,

Trust region,

Exact descent,

Linear and dual linear (unconstrained), and linear and quadratic (constrained)

MATLAB

**First Tech Challenge**

Co-lead programmer

Lead engineer

Team placed 3rd/40

**EXPERIENCE**

**Package Handler November 2020 – Present**

United Parcel Service **Baton Rouge**

* Unload packages in an expedited manner
* Load packages utilizing organized and proficient methods
* Use teamwork to finish tasks in a timely fashion to reduce labor costs

**Shop Foreman June 2016 – March 2020**

Inspired Closets **Baton Rouge**

* Initiated development and implemented department training including creating curriculum, benchmark, goalsetting, and followed through with monitoring of training progress
* Automated inventory by streamlining process to improve efficiency by 300%
* Kept shop running efficiently by managing order of completed processes
* Assembled and fabricated cabinets with precision

**VOLUNTEER:** Big Buddy Program (2017)

**HONORS:** Rockwell Collins Innovate Award (2017)

Control Award (2017)