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Jackson Shen

Objective: Quick-learning Computer Science major seeking an internship for the summer of 2022.

Education: Bachelor of Science, Computer Science

Rose-Hulman Institute of Technology, Terre Haute, IN
Minors: Cognitive Science, Math, Japanese

May 2024
GPA: 3.85/4.00

Skills:

Programming Languages: Java, Python, JavaScript, R, CSS, HTML, Matlab, Mathematica
Frameworks/Libraries: React JS, ASP.NET, Entity Core
Other: Experience in Mechanical and Electrical Engineering fields

Work Experience:

Full-Stack Software Developer - Rose-Hulman Ventures – Terre Haute, Indiana

June – August 2021

- Developed financial software for XSoft Inc. to be used by various counties in Indiana
- Front-end: React JS with TypeScript
- Back-end: ASP.NET and Entity Framework Core

Data Analyst – Physics Synchrotron Radiation Research Internship - Remote

June – August 2021

- Analysis of sulfur samples using synchrotron radiation absorption data taken in Lawrence Berkeley National Lab
- Data analysis through Java, summarized and presented through R

Activities/Projects:

Genetic Algorithms in Java

- Modelled the evolution of a simple population through common evolutionary algorithms in Java
- Explored the effect of genetic diseases on a population

Wolfram Mathematica Demonstration

- “Binomial Coefficients in the Multiple-Angle Tangent Formula” (Huang, Shen, 2020)
- Published a demonstration using Wolfram Mathematica demonstrating the expansion of coefficients in the Multiple-Angle Tangent Formula

N-K Fitness Landscapes

- Created simulations of N-K fitness landscapes in Java

Make It Happen

- Designing supportive chairs for children born with physical deficiencies
- Constructed product through various methods, including 3-D printing and laser cutting

Leadership:

Orientation Leader

- Planned main event to welcome incoming class of over six hundred students
- Helped run various events and ensured the smoothness of events