

Cole Ternes

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Education

Chapman University, Orange, CA
Bachelor of Science in Computer Science
Bachelor of Arts in Economics

Spring 2022

Relevant Coursework

- | | | |
|----------------------------|-------------------------------|----------------------------|
| - Intro to Python | - Java Object Oriented Design | - UNIX / Linux |
| - Visual Programming in C# | - Digital Logic Design | - Data Structures in C++ |
| - Computer Architecture | - Data Communication Networks | - Programming Languages |
| - Operating Systems | - Artificial Intelligence | - Compiler Construction |
| - Database Management | - Software Requirements | - Software Design Patterns |
| - Development Life Cycle | | |

Technical Skills

- | | | | |
|-----------------|-----------|----------------|----------------------------|
| - Java | - C++ | - C# | - C |
| - Python | - SQL | - R | - HTML |
| - Docker | - GitHub | - WireShark | - UNIX & Linux Environment |
| - Slack | - Putty | - Raspberry Pi | - Unity |
| - Visual Studio | - Jenkins | - VirtualBox | - DataGrip |

Relevant School Projects

War Card Game Simulation

March 2019

- Developed in Java to capitalize on object-oriented design and inheritance
- Employed thread concurrency to simulate thousands of War games
- Gathered data by calculating various statistics from all games

Game of Life Simulation

September 2019

- Developed in C++ for low-level efficiency
- Simulates John Conway's game of life for practice of complex data structures
- Features game mode variations that alter border interactions for replay-ability

Spin App

April 2021

- Developed using Unity and C# for multi-platform deployment (iOS and Android)
- Collaborated with team of 6 fellow Software Engineers to allocate tasks
- Adhered to weekly SCRUM meetings for effective project management
- Headed the backend development team for accountability
- Utilized GitHub for source code management

Inflation Tracker Application

May 2022

- Developed in Python to connect between frontend GUI library and SQL database
- Visualized economic data to represent inflation in graphical form
- Accessed federal databases in real-time to pull the latest data available

Academic Achievements

- Grand Challenges Initiative Outstanding Poster Award
- Latin Honors: Cum Laude
- Provost Scholar List (2020-2022)