Cole Ternes

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Education

Chapman University, Orange, CA — March 2022
Bachelor of Science in Computer Science
Bachelor of Arts in Economics

Relevant Coursework

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

Technical Skills

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

Relevant School Projects

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

Simulated Disk Scheduler — December 2021

- Developed in C for compatibility with other operating systems' components
- Implemented the FCFS, SSTF, SCAN, and C-SCAN algorithms for efficiency analysis
- Documented page faults from cylinder requests as error correction

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)