Tarun Nagineni

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Education

Bachelor of Sciences in **Computer science** with a minor in **Economics**
University of California, Davis
Anticipated Graduation Date June 2022, GPA: 3.246/4.0

Relevant Course Work

Programming Languages	Computer Networks	Machine Learning
Artificial Intelligence	Operating Systems	Computer Architecture
Algorithm Design & Analysis &Data structures	Theory Computation	Probability & Stats for computer science
Graphics design in Javascript With shaders		

Projects (For a more detailed description visit Tarun-coding/ClassProjects (github.com))

- Building a custom shell to handle output redirection and piping.
  ECS150/P1 at main · Tarun-coding/ECS150 (github.com)
- Emulating the performance of the slotted aloha networking protocol by comparing different retransmission algorithms. Tarun-coding/SlottedAlohaSimulator (github.com)
- Building a Webapp to measure trends in crime, incarcerations and poverty rate in various states(machine learning). nahcn/ECS171-Project (github.com)
- Using minimax and alphabeta pruning algorithm to design AI for playing Connect 4.
  Tarun-coding/ECS170 (github.com)
- Construction of a model CPU using logical gates in logism.
  Tarun-coding/ECS-154A (github.com)
- Dealing with concurrency in programs by using the queue data structures for scheduling various threads.ECS150/P2 at main · Tarun-coding/ECS150 (github.com)
- Programming in go, lisp(functional programming language), prolog(logical programming language). GitHub - Tarun-coding/ECS140A
- Graphics design in Javascript, using shaders, lighting, 3d modelling, and texture mapping (Tarun-coding/ECS-175 (github.com))

Work Environment Experience

Kitchen and team member in UC Davis coffee house(01/01/2020 – 06/01/2020) and taco bell(06/01/2021 – 08/05/2021), Mail Clerk at the Tercero Service Desk (09/01/2022-current).

- Dealt with the pressures of fast paced work environment.
- Learned to prioritize tasks and work as a team in order to provide the best service with the most efficiency.
- Learned to tackle unprecedented problems: dealt with an overnight refrigerator crash by balancing work between the present day and the previous day.