CS4375 Fall 2025 Homework Report

<Your name> Submitted on: <date>

<Your email address>

**HW 1: Introduction to xv6**

Please replace red text with your report text and any tables or figures, names of any accompanying files, etc. Remember to commit all the files for your lab submission, to put the URL for your private xv6 repo in below, to submit the assignment on blackboard, and give the TA access to your repo. Convert this template to PDF format to submit.

TA GitHub email: *danielmarin350@gmail.com*

Task 0. <PROVIDE THE URL OF YOUR GITHUB>

Task 1. Boot xv6 and explore utilities

Describe your Linux VM setup (e.g., what hardware, what VMM did you use).

Show the result of building and booting xv6 on (emulated) RISC-V. Show the results of ls. Give the results from the three other commands you explored and explain how they work.

Describe any difficulties you ran into and if/how you overcame them.

Task 2. Implement the uptime utility

Your code uptime.c should be in the user directory in the hw1 branch of your xv6 repo.

Summarize what you learned by carrying out this task.

Describe any difficulties you ran into with this task and if/how you overcame them.