



RIVER'S WEEKLY ROADMAP

Goal: Strengthen CS, master debate/philosophy, sharpen English & communication, and build college-level skills.

MONDAY

- 1 hr <https://www.amazon.com/Primer-5th-Stanley-B-Lippman/dp/0321714113> – finish a section + do 2–3 exercises
 - 30 mins: Read news + 1 econ concept <https://www.khanacademy.org/economics-finance-domain/microeconomics> (e.g. supply/demand)
 - 30 mins: Review GitHub <https://github.com/trending> or StackOverflow <https://stackoverflow.com/questions> code snippets for pro-level patterns
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TUESDAY

- 1 hr Princeton Computer Architecture course <https://www.cs.princeton.edu/courses/archive/spring20/cos375/> – video + notes
 - 30 mins article <https://plato.stanford.edu/> or debate video https://www.youtube.com/results?search_query=moral+relativism+debate (moral relativism, free will, etc.)
 - 30 mins: Write a short C++ script <https://replit.com/> using new concepts (e.g., calculator, file parser)
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WEDNESDAY

- 30 mins Git practice <https://learngitbranching.js.org/> – try a commit, checkout, and view diff
 - 1 hr: Rewrite one of your debates or essays for clarity
 - 30 mins: Practice clean code techniques – refactor one of your own programs using Refactoring.Guru <https://refactoring.guru/>
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THURSDAY

- 1 hr Deep dive into TCP (3-way handshake <https://www.cloudflare.com/learning/ddos/glossary/transmission-control-protocol-tcp/>, packet loss)
 - 30 mins: Explore GitHub open source projects <https://github.com/explore> and study their structure
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FRIDAY

- 1 hr research: read 1 philosopher's argument (Nietzsche <https://iep.utm.edu/nietzsch/>, Kant <https://plato.stanford.edu/entries/kant/>, Hayek <https://plato.stanford.edu/entries/friedrich-hayek/>)
- 30 mins vocabulary building – use Magoosh Vocab Builder <https://play.google.com/store/apps/details?id=com.magoosh.gre.quiz.vocabulary> (10 academic words/week)

- 30 mins: Tackle 1 LeetCode <https://leetcode.com/> or Project Euler <https://projecteuler.net/> problem and write a clean solution
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SATURDAY

- 1.5 hrs coding project or code review <https://codereview.stackexchange.com/>
 - 30 mins: Study Google C++ style guide <https://google.github.io/styleguide/cppguide.html> and apply to a file
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SUNDAY

- 2 hrs: Review goals, search scholarships <https://scholarships360.org/> and refine roadmap
 - 30 mins: Journal your weekly learning in tech & philosophy (GitHub README <https://docs.github.com/en/get-started/quickstart/create-a-repo>, blog <https://www.blogger.com/>)
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OPTIONAL BONUS ZONE (Anytime)

- Watchlist: Reddit Philosophy <https://www.reddit.com/r/philosophy/>, Tech YouTube <https://www.youtube.com/@Computerphile>, College Tips <https://www.youtube.com/@jakebrodesky>
- Weekly coding challenge: LeetCode <https://leetcode.com/>, Project Euler <https://projecteuler.net/>
- Blog your learning <https://dev.to/>