



Chris Hughes:
Engineer and
Facebook
co-founder



Tim Cook:
Engineer and
Apple CEO



Eric Allman:
Inventor of
sendmail and
syslog systems



Peter Thiel:
Tech investor
& founder of Y
Combinator



Sara Sperling:
Facebook and
Snapchat exec



Lisa Brummel:
Microsoft VP
of HR



Joel Simkhai:
Social network
entrepreneur



Lorenzo Thione:
Founder of Bing
predecessor

LGBT History Month Software Engineering luminaries honorable mentions

(Photos: Bing)

Software Testing Exercise

JD Kilgallin

CPSC:480

11/02/22

Exercise

- Clone the GitHub repo at <https://github.com/kilgallin/SWEF22-Exercise-6>
- Create a branch named after your UANET Id.
- Compute the cyclomatic complexity and runtime of each two-sum method and record the result in the provided comment above the function.
- Write unit tests using the framework provided to verify behavior of the three two-sum methods.
- Run the tests and check the code coverage and pass rate.
- For any tests that don't give the correct result on all methods, examine the two-sum method that's failing and identify the cause of the failure.
- Correct the failure(s) in the method so that all tests pass.
- Ensure that you have 100% code coverage and 100% pass rate.
- Commit & push your branch (`git push --set-upstream origin <branch>`)
- Issue a pull request to main. **Do not commit or merge to main.**

Details

- Make sure to keep TESTBRANCH statements everywhere they belong.
- Make sure to keep the branchCount up to date.
- Make sure to register each test as described.
- Make sure to run each test.
- Make sure you understand the specification of two-sum.
- Make sure to review pass rate and branch coverage rate.
- Make sure to submit the pull request with your work by Friday.
- Make sure not to commit, push, or merge to main.
- Up to 10% extra credit for improvements to infrastructure code. Do this in a separate commit and pull request.