

Lucian Chauvin

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EDUCATION

Texas A&M University, College of Engineering – College Station, TX (exp.) AUG 22 – MAY 26
B.S. Dual Major in Computer Science and Pure Mathematics

- GPA: 4.0
 - Computer Science Honors
 - Mathematics Honors
- Relevant coursework: Real Analysis, Linear Algebra, Discrete Math, Differential Equations, Data Structures and Algorithms, Computer Organization, Programming Languages, Computing, Program Design and Concepts, Calculus I-III, Statistics

EXPERIENCE

Texas A&M University, College of Engineering – College Station, TX JAN 24 – PRESENT
Research Assistant – [Advanced Vision and Learning Lab](#)

The Advanced Vision and Learning Lab seeks to develop novel artificial intelligence, machine learning, and computer vision algorithms. We aim to be world leaders in these communities through innovative solutions, unique perspectives, and reproducible research.

Texas A&M University, College of Engineering – College Station, TX AUG 23 – PRESENT
Teaching Assistant for CSCE120 – Program Design and Concepts

- Guiding students in CSCE 120 through weekly lab sessions, offering programming assistance and review, and enhancing students' skills in C++, computational thinking, and error handling
- Contributed to the plagiarism detection team, utilizing various tools including Compare50

Chevron – Houston, TX MAY 23 – AUG 23
Software Engineering Intern, Surface Platform - Smart Engineering Product Line

- Created an application in C# that utilized Azure Active Directory to connect digital services
- Created and implemented automated test cases for a digital solution using Behave and Selenium in Python; utilized the Azure pipeline for CI/CD development
- Worked under the Agile methodology while following the SCRUM empirical process

PROJECTS

Projects displayed visually and explained in depth can be found on my website [here](#)

- [Riski](#) (JAN 23) – A risk analysis tool that was created and won Goldman Sachs' challenge at [TAMUhack](#). Utilized Yahoo Finances' API along with various others to analyze risk; Python (Tkinter, requests, Selenium)
- [The12thPlan](#) (OCT 22) – An interactive map/calendar displaying events on Texas A&M's campus. Employed Google's map API and web-scraped calendar data; Python (Selenium), HTML, CSS, JS, JSON
- [WaveFunctionCollapse](#) (JUN 22) – Uses the idea of a quantum wave function to procedurally generate similar images and states present for a given input image; Python, PIL, NumPy, JSON
- [Strange Attractors](#) (MAY 22) – Displays mathematical objects called "strange attractors" related to chaos theory and dynamic systems; HTML, CSS, JS, Processing, Slurm Workload Manager
- [Lyapunov Fractal](#) (APR 22) – Generated the Lyapunov fractal on Texas A&M University's high performance compute cluster; C++, Python, Slurm Workload Manager

AWARDS AND ACTIVITIES

Aggie Competitive Coding Club NOV 22 – PRESENT
Pi Mu Epsilon Honors Society and Texas A&M Math Club Officer ([Webmaster](#) and Media) AUG 22 – PRESENT
Won first place in Goldman Sachs' challenge out of 800+ participants at [TAMUhack](#) – [here](#) JAN 23
Won third place out of 220 participants in Texas A&M's "[Datathon](#)" – [here](#) OCT 22
Won "Best Aggie Hack" at Texas A&M's [HowdyHack](#) – [here](#) OCT 22

LANGUAGES AND TECHNOLOGIES

- C++, C#, Python, Java, JavaScript, HTML/CSS, Processing, Bash, LaTeX
- Linux (Arch, Ubuntu), Visual Studio Code, Git and GitHub, NumPy, Selenium, Matplotlib, Azure (Active Directory, DevOps, Communication Services), dotnet, Slurm Workload Manager, PIL, Compare50, Behave BDD, Microsoft Office Certified