Niki Namian

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EDUCATION

Santa Monica College, Santa Monica, CA   June 2026
Associate in Science for Transfer (AS-T), Mathematics
Bachelor of Science, Computer Science and Engineering   Expected: June 2028
 GPA: 4.0
 Relevant Coursework: *Differential Equations, Linear Algebra, Data Structures and Algorithms in C++, Physics (Mechanics with Lab & Fluids, Waves, Thermodynamics, Optics with Lab), Calculus 1-3, C++ Programming, Java Programming, Digital Logic, Assembly Programming, Public Speaking*
 Campus Involvement: Scholars Program - Honors, STEM Program, President & Founder of Future in Tech Club, Secretary at Girls Who Code Club, Computer Science Club

Palisades Charter High School: June 2024
 GPA: 4.45
 Relevant AP Coursework: AP Computer Science Principles, AP Calculus, AP Statistics, AP Macroeconomics

SKILLS

Technical/Computer Skills: HTML & CSS, GitHub, Git, VS Code, APIs, Microsoft Azure, Microsoft Fabric, Microsoft Office Suite (Excel, Word, PowerPoint, etc.), Xcode, Google Workspace (Sheets, Docs, Slides, etc.), Figma, Canva, Debugging, Web Development, Photoshop, Open Source, Data Structures, Machine Learning, Artificial Intelligence
Languages: Python, Java, C++, C, C#, SQL, JavaScript

EXPERIENCE

Santa Monica College, Santa Monica, CA   October 2025 - Current
Computer Science Student Tutor
- Support students with C++, Java, C, C# assignments and projects, guiding them through code design, implementation, and debugging
- Tutor students in core CS coursework up through Data Structures and Algorithms, reinforcing key concepts and problem-solving skills
- Diagnose and simplify syntax, logic, and runtime errors while teaching effective debugging and development techniques
- Assist students with additional coursework on Computer Information Systems such as Microsoft Excel, including functions, data analysis, and workflow optimization

NASA Jet Propulsion Laboratory (JPL), La Cañada Flintridge, CA   December 2024 - June 2025
Intern/Education Office Affiliate
- Evaluated next-gen processors for space applications, assessing multi-core and DSP/GPU processors for high-performance onboard computing in future spacecraft missions
- Developed virtual test Lab using NVIDIA Omniverse and Web 3.0 standards, enabling interoperability between virtual and physical models for spacecraft design and testing
- Integrated AI and simulation technologies (LLMs, LWMs, Graph Neural Networks) to create digital twins and enhance virtual testing environments
- Enabled metaverse collaboration using AR/VR, blockchain, and Spatial Web to facilitate human-robot collaboration and dynamic model interoperability

College Board, Los Angeles, CA   May 2025 (Seasonal)
AP Exam Proctor
- Supervised AP exam sessions to ensure compliance with College Board procedures for distribution, timing, academic integrity, and material collection

Private Math Tutor, Los Angeles, CA   June 2024 - September 2025
Volunteer
- Assist students with math subjects through from Algebra through Multivariable Calculus
- Utilize interactive teaching methods and real-world applications to encourage student engagement

Starbucks, Los Angeles, CA   June 2022 - June 2024
Barista
- Crafted a diverse range of beverages tailored to customer preferences in a high-pressure environment
- Utilized the Point of Sale (POS) system to efficiently monitor inventory levels, ensuring optimal stock availability

Dental Office, Los Angeles, CA   June 2020 - September 2020
Dental Receptionist
- Validated patient insurance and eligibility ensuring proper coverage for necessary treatments
- Organized and managed patient files ensuring data and documentation was current, accessible, and accurate

PROJECTS

Python Programming
- Programmed check-in systems, appointment scheduling, and calendar management software for dental office operations
- Developed user-friendly games in Python (adventure, slot machine, guessing the random number)
- Created calorie counting program that suggests changes in diet based on user input of their eating habits
- Coded calculator programs that provide users with area, perimeter, or volume, given measurements

C++ Programming
- Programmed Tic Tac Toe AI opponent using vector nodes and game trees in C++
- Coded a solution to the famous Towers of Hanoi puzzle including graphics and number of disks customized by the users
- Developed a program to manage stock portfolios, analyzing profits and using selection sorts to order stocks

Personal Website (Ongoing - link: https://nikinamian.github.io/)
- Utilizing HTML to build the skeleton of my personal website including organizing all of the text
- Using CSS to customize styles for the website, including color schemes and other visual elements
- Incorporating JavaScript as the brain of the website to give functions to the buttons to enhance user experience and website interactivity

CFO of Power Hour (affiliated with https://veinternational.org/)
- Created balance sheets and developed pie charts to analyze data and identify trends
- Analyzed sales data to generate gross profit for the company
- Developed virtual balance sheets and cash flow calculations to forecast financial outcomes (Quickbooks Competition: 🔲 QuickBooks)
- Virtual Business Finance E-portfolio: https://sites.google.com/pchs.palihigh.org/nikinamian-e-portfolio/home

LEADERSHIP & COMMUNITY INVOLVEMENT

Future in Tech Club at Santa Monica College, Los Angeles, CA   June 2025 - Current
President & Founder
- Led a group of 8 board members in organizing guest speaker events, career-focused workshops, fostering discussions in emerging fields such as AI and Quantum Computing
- Founded and grew the club to 30+ members, establishing a community focused on career development and connecting students with industry professionals
- Delegate tasks to board members to ensure seamless execution of event planning, outreach to speakers, communication, and financial planning

Girls Who Code Club at Santa Monica College|College Loop, Los Angeles, CA   September 2024 - Current
Officer - Secretary   December 2024 - Current
- Host workshops to teach students about the importance of Python, C++, etc. in industry and how they are used
- Keep track of financial data, meeting times, and membership lists using Microsoft Excel
- Communicating and handling correspondence with outside organizations and businesses to plan meetings
- Organizing and maintaining club files including membership information, club activity proposals, and financial grants

Officer - Event Coordinator   September 2024 - December 2024
- Conducted workshops to teach students coding skills (HTML & CSS, Python, etc.) needed for future Hackathons

- Coordinated logistical aspects of events and workshops including scheduling, contacting guest speakers working in the field, and materials preparation
- Brainstormed and implemented events to enhance club participation by at least 10% each week, further building a strong community of women in STEM

Criminal Justice Club, Los Angeles, CA   August 2022 - June 2024
Vice President
- Created and presented presentations telling the stories of wrongful convictions to raise awareness
- Crafted visually appealing posters and social media posts using software applications (Figma, Canva, Microsoft Office Suite, Google Workspace) to bring attention to various events
- Collaborated with businesses to organize fundraisers with 100% of proceeds going to the Innocence Project

Palisades Park Youth Council, Pacific Palisades, Los Angeles, CA   January 2024 - June 2024
Club Member
- Brainstormed and organized park events with a team of 12 people to unify the community of children in the Pacific Palisades
- Analyzed event outcomes and developed strategies for future improvement
- Designed aesthetically pleasing posters to post on social media platforms (Instagram) in order to spread awareness to our audience (parents of children ages 3-10 years old) about club events

AWARDS & BADGES

- Robert R. Sprague Foundation Scholarship for STEM
- Dean's Honor List at Santa Monica College
- Identified as top student of class by President of University of California System (2024)
- Microsoft Learning Trophies (AI Skills Challenge):
  - Develop solutions with Azure AI Document Intelligence
  - Create and extend custom copilots in Microsoft Copilot Studio
  - Extend Microsoft Copilot for Microsoft 365 with Copilot Studio
  - Microsoft Fabric (connect, ingest, store, analyze, and report on data)
  - Accelerate Developer Productivity with GitHub and Azure for Developers
  - Secure Your Data in the Age of AI
- 2024 AP Scholar with Distinction issued by CollegeBoard
- 2023 AP Scholar issued by CollegeBoard
- Certification of Mathematics
- Eight-semester Principal's Honor Roll