HARAM YOON

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EDUCATION

Pomona College   GPA: 3.7/4.0 — Claremont, CA
*Bachelor of Arts in **Computer Science**, Minor in Cognitive Science & Mathematics*   *Expected Grad: **May 2026***
Relevant Coursework: Discrete Math & Func Programming, Data Structures & Adv Programming, Algorithms, Data Science & Stat Learning, Data Analysis & Visualizations, Math of Big Data, Stat Linear Models, Neural Networks

EXPERIENCE

Meta   May 2025 - Aug 2025
Incoming Software Engineer Intern   *Menlo Park, CA*

Pomona College HCI Lab   May 2024 – Aug 2024
Undergraduate Research Intern   *Claremont, CA*
- Investigated the impact of shared gaze versus shared voice on collaborative settings across group sizes
- Engineered a 144-trial visual search app using Express/Node.js, enhancing research capabilities for groups of 1-6
- Integrated Socket.io and Tobii eye-tracking to enable real-time gaze sharing, optimizing data storage accuracy by 40%
- Maintained real-time multi-user experiments with Firebase, enabling live monitoring and ensuring 99% cross-trial consistency

Snapchat Inc.   Mar 2024 – Apr 2024
Augmented Reality Development Extern   *Remote*
- Innovated personalized AR experiences for Gatorade using Snap's Lens Studio, elevating brand engagement by 15%
- Leveraged hand tracking and object detection using JavaScript and Python CNNs, boosting user participation by 20%
- Pioneered digital storytelling & AR design techniques, developing experiences that resonated with over 5 million Snapchat users

FoodClub (Startup)   Jan 2024 – May 2024
Backend Engineer Intern   *Remote*
- Constructed robust REST APIs on the Priority Team using Node.js, Express, AWS, and SQL
- Refactored Postgres & DynamoDB queries, increasing user capacity by 50% and speeding database lookups by 15%
- Implemented caching and rate limiting with Redis, cutting API response times by 25% and preventing server overload
- Coordinated code reviews and quality assurance for backend services, generating a 20% improvement in code efficiency

CAMPUS LEADERSHIP

Associated Students of Pomona College   Nov 2023 – Present
Lead Software Engineer   *Claremont, CA*
- Revamped student platform using React and Ruby on Rails, escalating daily users by 20% among 1,500+ students
- Expanded CRUD functionalities within admin dashboard for events, housing, and webpages, reducing concerns by 40%
- Orchestrating development and migration of a more secure and optimized platform using Nextjs, Express, Node, and MongoDB

5C Hack   Sep 2023 – Present
Technical Product Manager   *Claremont, CA*
- Led product strategy and development of a new React app serving 100s of students within 5C Hack, prioritizing features for a more modern & user-friendly experience, resulting in 50% increased website engagement and 30% boost in hackathon signups

PROJECTS

GrooveGauge | *R, Machine Learning*   Feb 2024 – May 2024
- Trained an ML model achieving 0.85 R^2 in predicting Spotify song danceability utilizing advanced regression techniques in R
- Increased accuracy by 15% through feature engineering, including interaction terms, transformations, and stepwise regression
- Implemented robust outlier analysis and regularization techniques, reducing overfitting in large-scale music classifiers

p-Reset | *Next.js, Tailwind, Flask, Postgres, Python, Machine Learning*   Sep 2023 – Dec 2023
- Engineered a full-stack, AI-powered personalized self-care app with Nextjs, Tailwind, and Flask in a team of 6 engineers
- Incorporated journaling, habit tracking, and calendering features utilizing Google Cal API and Postgres
- Programmed a sentiment analysis and an AI recommendation system using k-means clustering, NLP modeling, and LDA

Spoti-Tweet | *React, TypeScript, Next.js, Spotify API, MySQL, Prisma, tRPC*   Jun 2023 – Aug 2023
- Architected a full-stack web app cloning core Spotify and Twitter functionality, allowing an easy way to share songs
- Utilized Tailwind, TypeScript, Next.js, and Spotify API endpoints for custom players, search, library, etc.
- Retrieved Spotify data through OAuth to create type-safe Prisma models using tRPC for a MySql database

Haram-commerce | *React, Firebase, Node.js, Express*   Jun 2023 – Jul 2023
- Architected a 30+ page e-commerce site using React and Firebase, with secure Oauth and NoSQL data persistence
- Engineered Node.js/Express server to integrate Stripe API and manage dashboard CRUD operations for seamless management

TECHNICAL SKILLS

Languages/ Tools: Python, Java, HTML, CSS, JavaScript, TypeScript, Ruby, SQL, R, Haskell, Git/Github
Full-Stack: React, Tailwind, Next.js, Node.js, Express, Flask, Ruby on Rails, Firebase, MongoDB, MySQL, PostgreSQL, AWS
Data Science: Pandas, Numpy, Matplotlib, Scikit-learn, tidyverse, Jupyter, R Markdown