

Mimi Phan

Product and Software Engineering Leader

Profile

Multi-faceted software engineering leader with hands-on development experience driven to make a positive impact on the welfare of our society. Team-oriented and motivated solution scientist. Proficient in managing large-scope projects in areas such as AI, asset management systems, mobile applications, blockchain, and public health informatics. Enthusiastically seeking next full-time Engineering Leadership opportunity to make a positive impact.

Employment History

Startup Advisor and Fractional Chief Technology Officer, iRocket, Remote

May 2023 — Present

- Advisor to an early-stage, bootstrapped, and self-funded AI startup
- Supported product and software development of AI micro-applications
- “Wears many hats” working across strategy, operations, talent recruitment, marketing, product, and engineering domains

Head of Engineering, MetaEngine, Remote

August 2022 — April 2023

- Joined early Web3 gaming startup in product ideation stage
- Led product requirements and software architecture design and development
- Provided engineering and technical support for multiple product lines
- Managed and mentored software engineering staff
- Led software engineering recruitment and hiring efforts

Software Engineering Manager, Productfy, San Diego, CA

July 2021 — July 2022

- Technical lead for new fintech, white-label product line and primary back-end software developer
- Provided primary software development and implementation of a new credit reporting feature
- Led client servicing for product and engineering teams, including engaging clients to improve customer experience
- Collaborated across teams to oversee product implementation through the full software lifecycle
- Managed and mentored software engineering staff
- Lead software engineering recruitment and hiring efforts
- Participated in hiring efforts of non-engineering staff
- Contributed to software development efforts for new product features, internal software tools, software bugs etc.

Software Engineering Manager/Senior Software Engineer at Northrop Grumman Mission Systems, San Diego, CA

September 2018 — July 2021

- Transferred to San Diego and joined an existing national security project primarily developing in Java.

Details

San Diego, CA, United States

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Skills

Asset Management
Artificial Intelligence
Blockchain/Web3
Agile Software Development
Web Applications
Java Programming
Embedded Systems
Mobile Application Development
Data Analytics and Machine Learning
Bioinformatics
Business Strategies
Public Health
HTML/CSS/JavaScript
Python
SQL
C#/C/C++
Inclusive Leadership
Golang
Product Management
Diversity, Equity, and Inclusion
Career Development
Program Management
Quality Assurance
Systems Integration
Marketing and Business Development
Customer Success
Technical Talent Recruitment
Startup Strategy and Operations
Capture Management

- Contributed towards the development of COTS surveillance applications.
- Provided embedded systems integration support for multiple restricted programs and IRAD efforts.
- Managed ten direct reports in a functional manager role.

Software Development Analyst at Northrop Grumman Corporation, Atlanta, GA

March 2014 — September 2018

- Provided full-stack software development support to various clinical trials and outbreak surveillance applications.
- Software lead (data scientist/developer) of CDISC-standard data transformation components for clinical trials applications for data analysis and FDA regulatory submissions (resulted in multiple awards and publications).
- Project lead for software design and development of drug management module for clinical trials applications (resulted in multiple awards and publications).
- Contributed as front-end development for various Public Health web applications (HTML, JavaScript and etc.).
- Chosen for highly selective Diversity & Inclusion 10-member business council held at the division level.
- Implemented an employee retention initiative that led to 600% success rate in initial pilot.
- Led a professional development program which was chosen to be piloted by a division of corporate.
- Participated in research project to understand how blockchain technology could be leveraged for public health information

Systems/Software Engineer at Northrop Grumman Corporation, Virginia Beach, VA

September 2013 — March 2014

- Provided software and systems consulting services on a restricted naval program.

Software Engineer at Northrop Grumman Information Systems, Williamsburg, VA

January 2008 — September 2013

Resilient software engineer on numerous enterprise and military programs.

- 1 of 70 of 80,000 chosen for the career development fast track by special director management.
- Developed mobile software in C# with biometrics identification capability.
- Increased all 4 CPAR categories by 1 to 2 points which lead to an "excellent" score in customer service and quality while project lead.
- Architected and developed mobile capital asset management software and backed services that piloted at a major Northrop Grumman manufacturing facility and later streamlined across organization.
- Led design and development of mobile and desktop asset management solutions that interfaced with active RFID technology utilizing C, C# and Java for numerous programs.
- Continuously increased project efficiency while improving processes and product quality on multiple complex, multi-year projects.

Education

B.S. in Computer Engineering, Florida Institute of Technology

May 2005

Internships

SHARP Apprentice at NASA Langley Research Center, Hampton, VA

June 1999 — August 1999

- Selected in the region to join the NASA summer apprenticeship program.
- Performed interior noise research which contributed data to the engineering of aircraft compartments.

Summer High School Intern at Newport News Shipbuilding, Newport News, VA

June 2000 — August 2000

- Performed data migration tests for CATIA and validated product model designs.

Summer College Intern at Newport News Shipbuilding, Newport News, VA

May 2001 — August 2001

- Performed knowledge management, website maintenance and data reporting/analysis duties.

Summer College Intern at Northrop Grumman Newport News, Newport News, VA

May 2002 — August 2002

- Handled all support and maintenance of product planning reports.

Summer College Intern at Northrop Grumman Newport News, Newport News, VA

May 2003 — August 2003

- Tested product structure models in CATIA.

Honors & Awards

Northrop Grumman Nominee for Society of Asian Engineers and Scientists (SASE) 2021 Information Technologist of the Year Award

May 2021

Selected as the primary nominee to represent Northrop Grumman. Nomination was based on accomplishments in early to later career.

Northrop Grumman Quality is Personal (QIP) Award

October 2017

Selected for one of Northrop Grumman's top team honors. Primary developer for data transformation and analytical modules within web application for clinical trials.

Northrop Grumman Individual Awards

July 2010 — 2021

Earned 8 performance awards throughout career at Northrop Grumman.

Customer Awards, Atlanta, GA

May 2015 — August 2018

Clinical trial and outbreak surveillance software design/development for the CDC led to 3 customer awards.

References

References available upon request