

# Sasha Neil Pimento

+1 (530) 760-8824 | spimento@ucdavis.edu | linkedin.com/in/sashapimento

## EDUCATION

### University of California, Davis

M.S. in Computer Science, GPA: **3.83/4.0**

Davis, CA

Sept 2022 – June 2024

### Pune Institute of Computer Technology

B.Eng in Information Technology, GPA: **9.61/10**

Pune, India

Aug 2016 – June 2020

- Third Year **Pune University Rank 1 Holder** in the Department of Information Technology (IT)
- Fourth Year **College Department Topper** with a CGPA of **9.80/10**

## EXPERIENCE

### Graduate Research Assistant

May 2023 – Present

Department of Neurology, University of California, Davis

Davis, CA

- Spearheading the enhancement of a cutting-edge remote caregiving tool - ICARE, enabling long-distance caregivers to monitor and support activities of individuals with cognitive disabilities
- Integrating HTML, CSS, JavaScript, and React with Firebase, to create a seamless user experience with features such as video calling, real-time chats, an intuitive calendar, and customizable to-do alerts

### Software Developer

Aug 2020 – July 2022

FinIQ Consulting Pvt Limited

Pune, India

- **Post Trade Data Capture (PTDC) Development:**  
Orchestrated development of an innovative Java email parsing service, providing an efficient and streamlined alternative for restate, thus reducing overall latency by 50%
- **Financial Information Exchange(FIX) Java Service Development:**  
Pioneered the onboarding of Goldman Sachs(GS) Equity Linked Investments(ELI) on the FinIQ EQ Connect platform by developing a robust FIX Java Service, enabling crucial functionalities including pricing, quote and mandate responses, trade and post trade flow via FIX messages
- **Liechtenstein Global Trust(LGT)-Avaloq Go Live:**  
Implemented Java, C#, and .NET Services with SQL Server backend to onboard and integrate 9 counterparties onto the FinIQ EQ Connect platform, facilitating pricing, order, and restate flows between LGT and counterparties and forwarding of data to Avaloq
- **International B2B Mediation and Cross-Team Collaboration:**  
Facilitated active mediation of B2B sessions between developer teams of concerned buy-sides and sell-sides located internationally, resolving issues through proactive troubleshooting and collaborative problem-solving and resulting in accelerated project delivery

### Project Intern

Aug 2019 – June 2020

BMC Software

Pune, India

- Decoupled the Full Text Search(FTS) component from the Action Request server and deployed it as a powerful microservice using Java, Spring Framework and REST API calls, thus accomplishing a strategic architectural enhancement
- Reduced load on server by optimizing system resources and improving scalability of the FTS service

## ACADEMIC PROJECTS

### Covid and Layoff Data Dashboard

Jan 2023 – Mar 2023

- Designed a dynamic dashboard using Python Dash, enabling users to seamlessly explore and visualize Covid Data and Layoff Data, unlocking the ability to uncover valuable patterns and trends between both datasets

### StockHub

June 2018 – Dec 2018

- Led a high-performing team in the development of an advanced online trading platform using HTML, CSS, Java and MySQL, empowering users to efficiently buy and sell stocks while providing real-time stock trend analysis and market trend updates

## SKILLS

**Technical Languages:** Java, Python, C/C++, C#, .NET, SQL, HTML/CSS, JavaScript, R

**Developer Tools:** Eclipse, Visual Studio, Git, Docker, VS Code, IntelliJ IDEA, Jupyter Notebook, Microsoft SSMS

**Business Intelligence Analytic Tools:** Power BI, Power Apps, Tableau

**Soft Skills:** Leadership (Student Mentor(2 years), Captain Of PICT Girls Football Team(2 years))