Nikola Dimitrijevic

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EDUCATION

CARNEGIE MELLON UNIVERSITY TEPPER SCHOOL OF BUSINESS   Pittsburgh, PA
Master of Science in Management - MSM   5/26
An interdisciplinary STEM-designated graduate program designed to equip students with a strong foundation in business that sharpens analytical and leadership skills and prepares students to make thoughtful, data-informed decisions in today's fast-changing, tech-driven business environment
- Concentration: Strategy
- Membership: Men's Basketball Team

DARTMOUTH COLLEGE   Hanover, NH
Bachelor of Arts in Computer Science, Minor In African & African American Studies   6/25
- Relevant Coursework: Algorithms, Software Design, Machine Learning, Human-Computer Interaction
- Leadership: Captain of the Men's Basketball team, Treasurer of Chi Heorot Fraternity
- Membership: Sphinx Senior Society

PROJECT EXPERIENCE

DARTMOUTH COLLEGE (Capstone Project)   1/25 – 4/25
- **Product Development:** Designed and implemented an algorithm to analyze cross-user availability from integrated calendar data, stored it in a database using MongoDB, wrote API's, and published a functional Mobile App to Test-Flight, used by 20+ students to identify optimal meeting times with 100% accuracy during testing

INDIVIDUAL PROJECT   5/25
- **Human-Centered AI Design**: Designed an AI-driven intervention system leveraging reinforcement learning and LLMs, promoting mindful smartphone use without compromising user autonomy
- **Applied Machine Learning:** Built a contextual bandit RL model and developed a GPT-based prompting pipeline for personalized reflection cues, achieving 81% accurate intervention timing and a 68% reflection rate in controlled trials

WORK EXPERIENCE

SIGNAVATAR (accessibility software start-up)   Belgrade, Serbia
Associate Product Manager Internship   6/24 – 9/24
- **Product Management**: Led the end-to-end development of a B2B speech-to-sign-language interpreter product, and secured a partnership with Nikola Tesla Airport, generating $50k in annual revenue
- **Cross-Functional Collaboration**: Conducted and spearheaded user research, worked with user feedback, designed a product requirements document with strong verbal communication skills, prioritized features with engineering and design teams, delivered MVP on time and on budget, increasing accessibility for 900k+ monthly travelers.
- **Roadmap Management**: Outlined a bi-weekly roadmap review operations process using Jira, demonstrating bias for action by improving visibility and accountability across teams and reducing feature delivery delays by 30%

RED TECH (third-party software development incubator)   Belgrade, Serbia
Software Engineer Internship   6/23 – 9/23
- **Backend Development**: Developed scalable enterprise applications using Java and React for European clients, boosting backend performance by 20% and contributing to 4 different production-level features
- **Quality Control**: Participated in daily code scrums with senior engineers, figured out solutions to recurring bugs, enhanced code quality, and reduced production issues by 25%

ICENTIC (software solutions provider)   Zurich, Switzerland
Software Engineer Internship (Remote)   6/21 – 9/21
- **Full-Stack Development**: Shipped Java-based laboratory software and debugged C# image processing tools, used in X-Ray analysis, enhancing code used by 3+ laboratories, reducing processing time by 15%

TECHNICAL SKILLS

- Java • SQL • C++ • C# • Python • Swift • React • Jira • Agile • TypeScript • API Development

LANGUAGES

- English (Native), Serbian (Native)