Alexander K. Marinov

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EXPERIENCE

Pick N Dazzle   **Jun 2019 – Present**
Machine Learning Engineer, Backend Engineer   Amsterdam, Netherlands
- Multinational subscription-based e-commerce startup, centered around curating personally recommended cosmetic products for customers
- Designed and implemented hybrid collaborative-content based filtering recommendation algorithm in Python using Django backend and Azure MySQL database
    - Extended recommendation algorithm to fully automate curation process while maintaining 80% customer satisfaction
- Designed and presented proposed software architecture for new and updated platform along with documentation of use cases and system requirements
- Collected and analyzed data and reported key insights to stakeholders such as customer satisfaction, customer retention and conversion rate

SmarBit Inc.   **Jun 2018 – Mar 2019**
Analytics, Software Engineer   San Diego, CA
- Video compression startup based in San Diego, California focused on delivering high perceptual quality 4K videos with low bandwidth
- Reworked and containerized core algorithm in Python and Docker
- Ran tests on AWS instances and collected, analyzed and reported data

EDUCATION

University of California, San Diego   **Sep 2015 – Dec 2019**
Bachelor of Science in Mathematics and Computer Science   San Diego, CA
- Founding Father, Phi Delta Theta Fraternity, California Kappa Chapter, 2015-2016
- Member, Alpha Phi Omega, Rho Pi Chapter, 2018-Present
- Member of the Webmaster committee at Alpha Phi Omega, 2018-Present
    - Duties include maintaining and updating website for chapter with Ruby on Rails and HTML/CSS
- Relevant coursework completed:
    - Probability and Statistics
    - Deep Learning
    - Data Mining and Recommender Systems
    - Computational Linguistics
    - Design and Analysis of Algorithms

SKILLS AND INTERESTS

- Proficient with Python, Java
- Experienced with SQL, C++
- Familiar with C, MATLAB
- Experienced with various Python frameworks such as Pandas, NumPy, SciPy, PyTorch, and scikit-learn
- Experienced with AWS, Azure, Docker, and Django
- Experienced with Agile software development
- Strong mathematical background in linear algebra, statistics and probability
- Interests include tennis, soccer and pool