

# Alexandra “Sasha” Kipnis

219 Saratoga Ct, Santa Clara, CA 95050 | (408) 489-0194 | alexandrakipnis17@gmail.com

## EDUCATION

### Purdue University

West Lafayette, IN

College of Science – Bachelor of Computer Science

May 2021

*Concentration:* Machine Intelligence

*Minors:* Statistics, Entrepreneurship

*Cumulative GPA:* 3.53/4.00 (Dean's List: Fall 2017, 2018, 2019, Spring 2018, 2020)

*Relevant Coursework:* Data Structures and Algorithms, Data Mining and Machine Learning, Introduction to Artificial Intelligence, Information Systems, Business Planning for Social Entrepreneurship

## PROFESSIONAL EXPERIENCE

### Open Water Accelerator

Remote

*Technical Product Manager - OfficeHours*

June 2020 – Aug. 2020

- Organized the comprehensive go-to-market process for the launch of the OfficeHours SaaS product in 12 weeks
- Conducted analysis of the virtual education industry to determine features that would solve problems exposed by COVID-19
- Assessed user feedback through beta testing and led initiatives for product adjustments to ensure satisfied end users

### Paravane Ventures

Remote

*Product Strategy Case Analyst Program*

May 2020 – Aug. 2020

- Selected as one of 15 students from over 4000 applicants to compete in monthly product strategy case challenges
- Developed structured, researched solutions to technical product questions leading to winning a challenge

### The Boeing Company

Bellevue, WA

*Software Developer Intern – Microservices*

May 2019 – Aug. 2019

- Developed an Angular web app for internal visibility of airplane part tracking estimated to save \$10 million for the company
- Created a repository of Angular components to be used by developers for approximately 200 future web app redesign projects
- Collaborated with developers on ways to bring Blockchain to Boeing, such as additive manufacturing and smart contracts

### Telekom Laboratories

Tel Aviv, Israel

*Computer Science Research Intern*

June 2018 – Aug. 2018

- Developed a Machine Learning project focusing on cybersecurity of Internet of Things with a team of 4 people
- Parsed big data, employed training and testing classifiers, and generated information labels for over 800,000 data points
- Used Python Machine Learning packages such as Pandas and Scikit-learn to employ K-Nearest-Neighbors algorithms

### Purdue University – Department of Computer Science

West Lafayette, IN

*CS180 Teaching Assistant*

Aug. 2019 – Present

- Lead weekly lab sections for 30 students with Java programming assignments through instruction and consistent guidance
- Hold office hours and answer online forum questions to support students in completing their projects

### Purdue University – Department of Statistics

West Lafayette, IN

*STAT350 Teaching Assistant*

Jan. 2019 – Present

- Assist with educating and evaluating 70 students in the introductory statistics course
- Grade and give weekly feedback on student homework assignments and exams

## LEADERSHIP AND COMMUNITY ENGAGEMENT

### Mortar Board Honor Society

West Lafayette, IN

*Reading is Leading Chair*

Mar. 2020 – Present

- One of 42 students selected from Purdue's senior class for exemplary scholarship, leadership, and service
- Elected to be responsible for the biggest service event of the year and continued community service to increase child literacy
- Re-imagined traditional service experiences into virtual ones due to university regulations on social interaction

### Computer Science Women's Network

West Lafayette, IN

*President (2018-2019)*

Aug. 2017 – Present

- Served as the face of CSWN within Purdue's CS department, maintained a 13-member officer team, run weekly meetings
- Created opportunities for networking and one-on-one company interaction by working with Purdue CS Corporate Partners
- Planned Women in Tech Panel, an even for over 100 students to hear from 7 female panelists in the tech industry

### Mentors for Aspiring Girls in Computing

West Lafayette, IN

*Mentor*

Aug. 2017 – Present

- Teach girls programming skills by running weekly workshops at local Lafayette elementary, middle, and high schools
- Spoke with Indiana State Representatives about passing legislation for funding for K-12 STEM Education

**Other Activities:** Purdue Computer Science Department Tour Guide, Kappa Alpha Theta Sorority

## SKILLS, AWARDS & INTERESTS

**Programming:** Python, Java, C, R, JavaScript, HTML, CSS, React, Angular, SQL

**Spoken Languages:** English, Russian, Spanish

**Awards:** Rewriting the Code Fellow 2020, Purdue Most Outstanding Junior in Computer Science 2020, Purdue Grace Hopper Scholar 2019, Women in Science Jandos Scholarship Award 2018, Purdue Computer Science Corporate Scholar 2018

**Interests:** advocacy for diversity and accessibility in tech, embroidery, digital design, U.S. Women's National Soccer Team