

ALEXANDRA "SASHA" KIPNIS

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EDUCATION

PURDUE UNIVERSITY | WEST LAFAYETTE, IN

EXPECTED MAY 2021

- Bachelor of Science in Computer Science, Minor in Statistics, Entrepreneurship Certificate
- Dean's List Recipient: Fall 2017, Spring 2018, Fall 2018; Cumulative GPA: 3.5/4.0

SKILLS

PROGRAMMING: Python, Java, C, R, JavaScript, HTML, CSS, React, Angular, C++, Assembly ARM

ADDITIONAL SPOKEN LANGUAGES: fluent in Russian, proficient in Spanish

PERSONAL SKILLS: leadership, problem-solving, organization, public speaking, time management

EXPERIENCE

THE BOEING COMPANY

MAY 2019 - AUGUST 2019

SOFTWARE DEVELOPER INTERN

BELLEVUE, WASHINGTON

- 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

JUNE 2018 - AUGUST 2018

COMPUTER SCIENCE RESEARCH INTERN

TEL AVIV, ISRAEL

- 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 COMPUTER SCIENCE

AUGUST 2019 - PRESENT

CS180 TEACHING ASSISTANT

WEST LAFAYETTE, IN

- 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 STATISTICS

JANUARY 2019 - PRESENT

STAT350 TEACHING ASSISTANT

WEST LAFAYETTE, IN

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

TECHPOINT XTERN BOOTCAMP

MAY 2018

STUDENT

INDIANAPOLIS, IN

- Gained proficiency in web technologies including React, JavaScript, HTML, and CSS through daily assignments and projects
- Created a note-taking website with Google and GitHub user verification and data storage on Firebase

LEADERSHIP AND COMMUNITY ENGAGEMENT

COMPUTER SCIENCE WOMEN'S NETWORK

AUGUST 2017 - PRESENT

PRESIDENT (2018-2019)

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

MENTORS FOR ASPIRING GIRLS IN COMPUTER SCIENCE

AUGUST 2017 – PRESENT

MENTOR

- Teach girls programming skills by running weekly workshops at local Lafayette high schools
- Serve as a role model to encourage female students to pursue a career in a STEM related field
- Spoke with Governor Holcomb and Indiana State representatives about funding for K-12 STEM Education

PURDUE UNIVERSITY COMPUTER SCIENCE

MAY 2018 - PRESENT

TOUR GUIDE

- Host weekly tours, presentations, and informational sessions for prospective Computer Science students and parents
- Serve as a resource for information about the Purdue Computer Science experience through personal office hours

WOMEN IN SCIENCE PROGRAMS

MAY 2018 – MAY 2019

MENTOR

- Act as a mentor for an incoming freshman in the College of Science at Purdue University by meetings weekly
- Received Jandos Scholarship Award for my commitment to women in stem related majors