

# JASHANPREET SINGH

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## EDUCATION

**Drexel University - College of Computing and Informatics**, Philadelphia, PA

**Expected Graduation: May 2022**

Bachelor of Science, *Computer Science – Focus on Software Engineering and Artificial Intelligence*

**GPA: 3.82**

**Relevant Coursework:** Software Architecture I, Software Verification and Validation, Systems Programming, Systems Architecture, Data Structures and Algorithms, Web and Mobile App Development, Mathematical Foundations of CS

## SKILL

**Programming Languages:** *Experienced:* Python, Java, C/C++; *Prior Experience:* JavaScript, Bash, SQL, HTML/CSS

**Technologies/Environments:** Git, Splunk, AWS, Linux/Unix, Atlassian Toolset (Jira, Bamboo, BitBucket), Node.js, Express.js, Maven, JUnit, Bootstrap, Mockito, Postman, MS Office Suite

**Methodologies:** Agile, Scrum, Kanban

## TECHINICAL EXPERIENCE

**The Vanguard Group**, Malvern, PA

**Mar. 2020 – Sep. 2020**

*Java Developer Co-Op*

- Developed Angular web applications and RESTful micro-services using Java hosted on the AWS cloud
- Formulated comprehensive test suites using JUnit to validate implementation of every functionality
- Worked on a continuous delivery pipeline using Bamboo and carried out elevations to production using Ansible
- Collaborated with team members to deliver expected products on strict deadlines following agile methodologies such as Scrum and Kanban

**Drexel University – College of Computing and Informatics**, Philadelphia, PA

**Sep. 2019 - Present**

*Teaching Assistant*

- Assist with Advanced Programming Techniques and Computer Programming II
- Hold weekly office hours and review sessions for students learning Python, C, Bash and Unix to teach them key concepts along with efficient code-design and project development
- Assess students' performance by writing grading scripts to grade assignments and providing timely feedback

## RELEVANT PROJECTS

**Park Here**, an Android application that assists commuters with finding parking

**Jun. 2019**

*Scrum Master/Software Developer*

- Integrated Google Maps API to calculate distance and directions to selected parking locations
- Incorporated Kivy, an open-source Python library, to compile the application in Python
- Stored details relating to parking garages in a MySQL database and generated queries to fetch information
- Lead the 4-person team through development and effectively organized daily scrums, increasing productivity and fostering innovation

**EZ-Tickets**, an event-based ticketing system for small venues

**Mar. 2020**

*Developer*

- Designed a RESTful server-side logic for the API using Express
- Implemented persistent data storage using Sequelize and Postgres
- Built the Node.js API alongside three other teammates by splitting the work into front and back-end

**Vacancy Scarper**, a Web-Scraper that collects job listing data

**Jun. 2020**

*Developer*

- Utilized Python libraries such as BeautifulSoup & Selenium to parse HTML content from job vacancy websites
- Automated the vacancy search process to collect real-time data on the labor market
- Collected occupational data and automatically stored it into an Excel spreadsheet for future modeling

## AWARDS/ACTIVITIES

*Dean's List of College of Computing and Informatics*

*Dec. 2018 – Present*

*A.J. Drexel Scholarship*, Merit-based scholarship

*Sep. 2018 – Present*

*Drexel Algorithms and Data Structures*, Member

*Sep. 2019 – Present*

*Google Developer Student Club*, Member

*Dec. 2019 – Present*