

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 Company, 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