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AKSHAT SHRIVASTAVA

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EDUCATION

Washington, WA	University of Washington	March 2018 – June 2019

- **Pursuing Degree:** Master's in Computer Science
- **Coursework:** Computer Vision, Compilers, Deep Learning
- **Graduate Research Assistant:** Working under Jeffery Heer on Natural Language Processing in Exploratory Data Analysis

Washington, WA	University of Washington	Sept 2014 – Jun 2018

- **Degree:** Bachelor's in Computer Science. Specialization: Data Science
- **Overall GPA**: 3.89/4.00 Magna Cum Laude
- **Relevant Coursework**: Discrete Mathematics and Structures, Algorithms, Probability and Statistics, Data Visualization, Systems Programming, Artificial Intelligence, Computer Networks, Databases, Matrix Algebra, Machine Learning, Natural Language Processing, Database System Implementation
- **Dean's List:** Fall 14 - Spring 18

EXPERIENCE

Software Engineer, Intern	Facebook	Summer 2018

- Worked on the Feed Content Classification Team
- Implemented Text Classification Models, Model Calibration, and Feature Discovery Tools
- Technologies and Languages: Python, C++, Hack (PHP), and Caffe2

Software Engineer, Intern	Microsoft	Fall 2017

- Working on the Microsoft Intune Authorization team
- Presented and iterated on service design and security
- Implementing a protocol for authorizing service requests in oAuth in C#

Software Engineer, Intern	Facebook	Summer 2017

- Working in New York City on the Service Lab: Performance Testing for Backend Servers
- Collaborated with multiple teams across Facebook, Presented design decisions
- Responsibilities included developing in Python backend, and front end work in PHP and React.js

Undergraduate Research Assistant	University of Washington Interactive Data Lab	Jan 2017-Jun 2018

- Working on Voyager and Compassql
- Primarily work in Typescript, JavaScript and Git

Software Engineer, Intern	Google	Summer 2016

- Working on the payments infrastructure team, worked on developing generators for APIs
- Implemented experiments in buy flows to test for conversion rates
- Primarily worked in backend Java and with Protocol Buffers

Software Engineer, Intern	Tableau Software	Summer 2015

- Worked on Tableau Runtime to develop tools and algorithms for validation and visualization of Tableau Runtime artifacts
- Presented and participated in design reviews and hackathons

Software Engineer, Intern	Caradigm	Summer 2014

- Developed enterprise software for health care. Built components that displayed various health data for patients
- Collaborated and contributed with team to improve and add functionality to applications

TECHNICAL PROJECTS AND EXPERIENCE

Projects

- **GitHub:** https://github.com/AkshatSh
- **Video Search Engine:** Enabling Video Search by indexing videos by their summaries. Using deep learning models to do video summarization via image captioning.
- **Refresh:** An app to keep track of your refrigerator inventory for when things expire, worked on the entire backend for OCR and recognition of images uploaded, data storage, and recommendation of recipes. Developed for Pennapps 2016
- **Paypal NonProfit Hackathon:** Created an app to provide people in need with local resources and accessibility to events from a custom backend implementing our own ranking, search and scraping algorithm

Languages and Technologies

- **Proficient Languages (2+ years experience or industry experience):** Java, C#, Python, JavaScript, HTML, CSS
- **Familiar languages:** C, PHP, C++, SQL, Assembly x86
- **Technologies:** Numpy, PyTorch, Caffe2, Node.js, JSON, REST, React.js, d3.js, .NET, MongoDB, ParseDB