

Adeel Ahmad

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EDUCATION *Bachelor of Computer Science* August 2014 - Present
National University of Computer and Emerging Sciences (FAST), Islamabad

WORK EXPERIENCE *Software Developer* May 2017 - August 2017
Google Summer of Code 2017 participant with OpenAstronomy ☞

- Designed and developed a Python package for Hierarchical Progressive Surveys
- Wrote automated test cases and contiguously integrated code using Travis CI
- Extended a low and high level API for exploring and creating WCS / HEALPix images
- Implemented simple and precise drawing algorithm using affine transformation and nearest-neighbor interpolation techniques
- Composed API and user-level documentation using Sphinx
- Fetched tile data asynchronously using `aiohttp` and `urllib`
- Reported system state to the user using progress bar and CPU-and-memory consumption statistics

Full-Stack Web Developer January 2017 - Present
Upwork ☞

- Developed large scale Laravel / PHP software systems
- Designed numerous databases using entity-relationship diagrams
- Created front-end components using Vue.js
- Implemented AJAX calls using jQuery and designed an API to query data
- Hosted applications on AWS and Google Cloud

Data Scraper, Web Developer June 2016 - Present
Fiverr ☞

- Wrote automated scripts for scraping data from websites
- Integrated Selenium with PhantomJS web-driver for headless browser automation
- Used BeautifulSoup and regular expressions for parsing scraped data
- Created Pandas dataframe for data analysis
- Linked REST APIs with Laravel / PHP web applications
- Fixed bugs and diagnosed web hosting issues

TECHNOLOGY SKILLS

Programming Languages: Python, PHP, JavaScript, C++, Assembly, Bash, \LaTeX
Machine Learning Technologies: TensorFlow, Keras, scikit-learn, Pandas, DEAP
Image Processing Technologies: OpenCV, scikit-image, Pillow, NumPy
Operations Technologies: Amazon Web Services, Google Compute Engine, Travis Continuous Integration, Continuous Deployment
Web Back-End Technologies: Laravel, Django, MySQL, SQLite, MongoDB, Apache, Nginx
Web Front-End Technologies: Vue.js, jQuery, Moment.js, Bootstrap, Gulp, Bower

RELEVANT COURSEWORK	Deep Learning, Digital Image Processing, Data Mining, Artificial Intelligence, Computer Networking, Computer Architecture, Operating Systems, Data Structures	
COMMUNITY SERVICE	FAST Community Service Society, <i>Volunteer</i>	April 2016 - April 2016
EXTRA- CURRICULAR ACTIVITIES	DICE-IET, <i>Participant</i> , COMSATS Lahore FAST IEEE Week, <i>Head Web & IT</i> NaSCon '16, <i>Vice Head Web & IT</i> FAST Computing Society, <i>Joint Secretary</i>	December 2017 - December 2017 November 2016 - January 2017 February 2016 - April 2016 February 2015 - December 2015