

Khayyam Saleem

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Education

Aug 2015 – Present **BS Computer Science, MS Applied Mathematics, Stevens Institute of Technology**, Hoboken, NJ.
Honors: Dean's List, Presidential Scholarship
Minors: Mathematics, Literature
President of Upsilon Pi Epsilon [Computer Science Honor Society]
GPA: 3.86
Expected Graduation: May 2019

Experience

June 2018 – Present **Software Developer Intern, J.P. Morgan & Chase**, Jersey City, NJ.
◦ Built training and maturity assessment portal for SRE transformation team as full-stack application [Flask, Bootstrap, SQLAlchemy]
◦ Deployed RESTful API to perform a health check on JMS messaging provider for Global Technology Infrastructure team [Java, JMS, Spring Boot, Maven]

May 2017 – Aug 2017 **Research Assistant, New Mexico State University**, Las Cruces, NM.
◦ NSF REU site
◦ Deep Learning for Control Chart Pattern Recognition [Python, TensorFlow]

Aug 2016 – Present **Codecademy Coach and Moderator, Codecademy**, New York, NY.
◦ Find and formally report bugs on the Codecademy platform via GitHub
◦ Lead “Intensive” courses for data science and data visualization with Python
◦ Perform QA on upcoming content and new courses
◦ Advising over 24M active users in Javascript[Angular, React], Ruby, Java, and Python [matplotlib, pandas, numpy, seaborn]

Aug 2016 – Present **Teaching Assistant, Stevens Institute of Technology**, Hoboken, NJ.
◦ CS115 – Intro to CS, conducted weekly lab, wrote grading scripts for homework [Python]
◦ CS284 – Data Structures, taught weekly recitation, design and test homework [Java]
◦ CS496 – Programming Languages, ported all course content from Racket to OCaml [OCaml]
◦ CS511 – Concurrent Programming, ported all course content from Erlang to Elixir

Jan 2016 – May 2018 **Student Tutor, Stevens Institute of Technology**, Hoboken, NJ.
◦ Tutor freshman and sophomore CS, mathematics, and science courses.

May 2016 – Jul 2016 **Web Development Intern, iconectiv**, Piscataway, NJ.
◦ Reconstructed GUI for number portability product from the ground up to allow for support of all features on modern web browsers [Bootstrap, Angular2]

Skills

Languages Python, OCaml, erlang, Clojure, Scala, C++, Java, Javascript, SQL, Hindi
Technologies GNU+Linux, git, L^AT_EX, node, Flask, Pandas, matplotlib, TensorFlow, Org (Emacs)

Projects

Gradual Typing Implemented gradual typing (a type system that allows for both static and dynamic typing) [Scheme]

<u>LiEB</u>	Social media and messaging platform, developed as class final project [nodejs, express]
<u>TSC Lightning7</u>	Implementation of time series classification methods and analysis for the Lightning7 dataset [ML, deep learning, Tensorflow]
<u>medaccess</u>	Freelance project, developed database and API for accessing insurance information for prescription medicine [Python, SQL, Flask]
<u>CCPR</u>	Python library for control chart pattern recognition [ML, deep learning, TensorFlow]
<u>motivation</u>	cross-browser new-tab page, live age calculator

Other

Volunteerism	<u>Habitat for Humanity</u> , <u>Woodbridge Buddy Ball</u> , <u>ASHA Hockey Camp</u>
Interests	3D Printing, Graphic Design (Snapchat filters, T-Shirts), Hiking, Biking