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 – Aug 2018	**Software Developer Intern**, *J.P. Morgan & Chase*, Jersey City, NJ. ○ Developed portal and healthcheck API for Global Technology Infrastructure team ○ Built portal as full-stack application with Flask, Bootstrap, SQL (ORM) ○ Built healthcheck API with Spring Boot, built with 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]
Jan 2016 – Present	**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, C, C++, Java, Javascript, SQL, Hindi, Urdu
Technologies	GNU+Linux, git, LATEX, node, Flask, Pandas, matplotlib, TensorFlow

Projects

Gradual Typing	Implemented gradual typing (a type system that allows for both static and dynamic typing) [Scheme]
LiEB	Social media and messaging platform, developed as class final project [nodejs, express]

TSC Lightning7 Implementation of time series classification methods and analysis for the Lightning7 dataset [ML, deep learning, Tensorflow]

medaccess Freelance project, developed database and API for accessing insurance information for prescription medicine [Python, SQL, Flask]

CCPR Python library for control chart pattern recognition [ML, deep learning, TensorFlow]

motivation cross-browser new-tab page, live age calculator

Other

Volunteerism Habitat for Humanity, Woodbridge Buddy Ball, ASHA Hockey Camp

Interests 3D Printing, Graphic Design (Snapchat filters, T-Shirts), Hiking, Biking