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.
- 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]

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