

Eric Schneider

SOFTWARE ENGINEER · RESEARCH ASSISTANT · STUDENT

80 Hawthorne Drive, New Providence, New Jersey 07974

✉ eric@ericjschneider.com 🏠 ericjschneider.com 📱 leapis 📁 leapis

Summary

Computer Science student at Rutgers University, New Brunswick (graduating May 2021). Experienced with front and back-end development, distributed systems, static analysis, and probabilistic programming. Passionate about randomized algorithms, software design patterns, functional programming, static analysis, and Vim.

Technical Skills: Python, C++, oCaml, JavaScript/Typescript, Java, Haskell, Julia, PostgreSQL, Go, awk, Lua, Bash, Jenkins

Education

Rutgers University, New Brunswick

Sep 2017 – May 2021

BACHELOR OF SCIENCE IN COMPUTER SCIENCE · MAJOR/CUMULATIVE GPA: 3.9/4.0

Undergraduate Coursework

Data Structures	Algorithms	Probabilistic Algorithms	Databases
Operating Systems (audit)	Linear Algebra	Probability Theory (CS)	Discrete Math
Formal Languages & Automata	Functional Programming	Computer Architecture	Compilers
Internet Technology	Computer Security	Distributed Systems (audit)	

Graduate Coursework

Intro to Artificial Intelligence	Randomized Streaming Algorithms	Machine Learning	Compilers I
Pattern recognition (audit)	Natural Language Processing (audit)		

Experience

Bloomberg LP

New York City, New York

SOFTWARE ENGINEER INTERN

May 2020 - Present

- Created static analysis tools for automated improvement of numerical application codebases, using Haskell, Python, and C++

Center for Advanced Infrastructure and Transportation (CAIT)

Rutgers University, New Brunswick

RESEARCH ASSISTANT · DR. XIANG LIU · DR. YADI ZHU

May 2019 - March 2020

- Evaluated, improved, and implemented optimization algorithms designed to improve resource allocation in last-mile logistics
- Implemented computer vision models to identify transportation dynamics in crowded environments

CyberLearning Innovation & Research Center

Rutgers University, New Brunswick

SOFTWARE DEVELOPER

Dec 2018 - March 2020

- Developed code generation software in python and designed CI pipelines with Jenkins to accelerate turnaround time by 300%
- Designed and implemented Java programs to generate test questions and provide data-driven feedback to University researchers
- Implemented comprehensive automated testing with Postman, reducing QA's reported bugs by 40%

New Jersey Institute of Technology (NJIT)

Newark, New Jersey

RESEARCH ASSISTANT · HCI IN DEVELOPMENTAL EDUCATION · DR. MICHAEL J. LEE

June. 2016 - August 2016

- Programmed applications to collect input, process data, and extract insights using MySQL, Python, PHP, and D3.js

Extracurricular Activity

Rutgers Machine Learning Research Group

Rutgers University

PRESENTER

Jan. 2019

- Gave presentation on emerging benchmarks for Deep Learning agents, including IntPhys and Unity's Obstacle Tower

WoWAnalyzer

github.com/WoWAnalyzer

CORE CONTRIBUTOR · MODULE MAINTAINER

Oct. 2017 - July 2018

- Updated graph systems and improved core analytical features to enhance performance and provide better analytics
- Contributed to style guidelines, code reviews, and strategic decisions for community of 100+ developers

Hackathons

- | | |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2019 | 1st Place , JP Morgan Code for Good, Jersey City · (github.com/jerseycity19/team-10)
Developed my planning and pitching skills to deliver a technical product that fulfilled the needs of our non-profit client. |
| 2019 | Google Cloud Award , HackRU · (devpost.com/software/netxt)
Utilized Redis, Docker, Pytorch, Python and NodeJS to create an web browser for android that operates over SMS protocol. |
| 2017 | 1st Place , HackUC Hackathon · (devpost.com/software/veracity-ai3lq1)
Created a browser plugin that analyzes online news articles' credibility and political bias |