

NEWMAN PERRY CATE

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EDUCATION

Princeton University class of 2019
BSE Computer Science Major
Classes taken: Algorithms/Data Structures, Programming Systems, Reasoning about Computation, Operating Systems, Introduction to Logic Design, Advanced Programming Techniques, Computer Networks

SKILLS

Languages

Experienced With

Python 3
Java
PHP

Proficient With

Go
JavaScript
HTML5 + CSS3
MySQL
C

Have Used

TypeScript
Ruby
Bash
ActionScript
Visual Basic

Tools

- Extensive use of Git and Mercurial Version Control Systems
- Proficient using Maven for building projects
- Have used Linux as my primary OS for years
- Frequently manage personal Linux servers for file storage, project hosting
- Learning Node.js

Libraries

- Python 3 Standard Libraries, including unit testing, threads, and sockets
- Java 8 Standard Libraries, especially relating to File I/O
- Gson Java Library for serializing and deserializing JSON data
- Proficient with Angular.js
- Have worked with Google Web Toolkit
- Learning React.js

EXPERIENCE

Production Engineering Intern at Facebook June 2017 - September 2017

- Designed and implemented a full rewrite of Traffic Infrastructure health checking service
- Emphasized extensible, maintainable architecture and robust testing framework
- Skills required included concurrent programming and reading/understanding legacy code

GraySail LLC, Columbia, SC

June 2014 - August 2015

- Worked on Custom Lab Inspection / Radiation Tracking software
- Used Frontend angular.js with asynchronous calls to custom ORM backend
- Started as Summer internship, was hired afterwards (while still in high school)
- Worked 15 months total until starting college

GroupMe-Utils (Side Project)

June 2016 - Present

- Wrote and Maintain Java Wrapper for interacting with GroupMe messaging app
- Developed utilities for dumping large chats to text files and analyzing message data
- Wrote and maintain a chat bot utilizing Microsoft Cognitive Services to analyze images

AWARDS

Eagle Scout

Jane Street "eth1" hackathon @ Princeton University - 1st Place

Google Games Spring 2016 @ Google NY Headquarters - 1st Place

BDPA 2014 National High School Programming Competition @ Indianapolis, IN - 2nd Place

OTHER ACTIVITIES

Open Source Contributor

President of Princeton ACM Student Chapter

Teaching Assistant for Princeton's Operating Systems course, COS 318.

Member of a capella and improvisational comedy groups

Graduate of "Princeton in Beijing" Mandarin Chinese Summer Language Program

REFERENCES

Hoke Currie, CEO of GraySail LLC

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Robert Dondero, Programming Systems Lecturer

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