PIETER BENJAMIN

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Personal Website - https://pieterbenjamin.github.io/personal-website/
Github Profile - https://github.com/PieterBenjamin

Skills Summary

Git (2 yrs), C/C++, Java (fork/join, spring), Python, MATLAB/R, SML, BASH
React, Jekyll

Paul G. Allen school *(graduating 2021) - 3.54 GPA, Deans List (Au17, Sp18)*
Relevant courses – *Compilers, Computer Vision, Hardware/software interface, Language Design, System/Networks, ADTS & Parallelism, Software Design/Implementation, Discrete Math, Applied Stats., Lin. Algebra*

Team Projects

Developer, Impact++ *(Oct 2018 – present)*

- Club with 4 teams of ~6 developers volunteering with open source nonprofits
- Collaborated with Farestart stakeholders using react to optimize expenditure analysis (estimated $1,000 a week benefit)
- Tested/fixed issues of Small Basic with dev team
- Developed club website - https://impactplusplus.github.io/website/

Undergraduate Researcher, IBIC *(Feb 2018 – Sep 2018)*

- Wrote/documented bash program to abstract choosing/using a slice of MRI scan to create an extremely individual Christmas/birthday card to thank participants in a study
  https://github.com/PieterBenjamin/birthdaycard

Dinner Lead, ROOTS *(Oct 2017 – Sep 2019)* - Organized 4-5 volunteers cooking for 50-70 homeless guests
Line Cook *(Apr 2018 – Aug 2018)* - Worked 30 hrs/week during school year, continued through summer
Attorney, Varsity Mock Trial *(Sep 2016 – Apr 2017)* – Made varsity 2nd year in high school club

Personal Projects

Checkpoint - https://github.com/PieterBenjamin/Checkpoint

- Local (single file) version control. Written solely in C, using Hashtables, Linkedlists, and N-ary trees I also implemented in C.

RayCastingEngine - https://github.com/PieterBenjamin/RayCastingEngine

- Raycasting engine written in python. Offers map creation via 2D arrays and choice between top down and first-person viewing angle

GoodReads-Scraper - https://github.com/PieterBenjamin/GoodReads-Scraper

- Used Scrapy (Python library) to implement a goodreads.com scraper. Given an author's name, scrapes the quote section of that author, and saves the quotes in JSON files
- Includes script to display a random quote on opening a terminal window