Allen Poon

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Objective

Junior Computer Science student looking to secure a 2017-2018 internship for a Software Engineering position where my disciplined work ethic, adaptable technical abilities, and communication skills can be applied.

Education

UNIVERSITY OF PITTSBURGH   **AUGUST 2015 – APRIL 2019**

B.S. Computer Science   Minor: Economics   GPA: 3.7

Related coursework:

- Intermediate Programming using Java
- First-Experiences in Research – Monte Carlo: 2D Ising Model Computer Simulation (Java, Python)
- Discrete Structures for Computer Science
- Data Structures (Java)
- Computer Organization & Assembly Language (MIPS – Assembly Language, Logisim)

- Intro to Systems Software (C)
- Computer Architecture (C)
- Algorithm Implementation (Java)
- Applied Cryptography and Network Security (Java)
- Formal Methods in Computer Science
- Database Management

Technical Skills

Java, C, Python, MIPS – Assembly Language, Linux, HTML, Visual Basic, Microsoft Office, Processing, Android Studio

Relevant Experience

RESEARCHER | BENOS LAB - UNIVERSITY OF PITTSBURGH/CARNEGIE MELLON UNIVERSITY   JUNE 2017 – PRESENT

- Researched and compared graphical causal model, machine learning algorithms under Dr. Takis Benos to help investigate molecular mechanisms of disease using the Tetrad project built from Java.
- Wrote scripts in Java and Python that analyzed the performance of various causal algorithms under a variety of data types and assumptions.

UNDERGRADUATE RESEARCHER | UNIVERSITY OF PITTSBURGH   JANUARY 2016 – APRIL 2016

- Researched under Dr. Ken Jordan to examine the Monte Carlo algorithm and various sampling methods using Java and Python to understand its practicalities in computer simulation and relevance in quantum computing.
- Developed an app for the 2D Ising Model to simulate molecular phase transitions for the final project using the Metropolis-Hastings algorithm

WEEKLY VOLUNTEER | COMPUTER REACH   SEPTEMBER 2015 – DECEMBER 2015

- Recycled and salvaged donated computers/parts to help refurbish/repair nonworking computers in order to resell at a heavily discounted price.
- Replaced OS of computers with Edubuntu to help strengthen education worldwide at areas where technology is lacking

Relevant Activities

College:

Pitt IEEE Club, Computer Science Club, Students for Startups, Innovation Institute, SteelHacks, PennApps XIV, Student Technology Focus Group

High School:

FIRST Robotics FTC Team: Steel Hornets 118 (Robot C),
American Computer Science League All-Stars programming competitions,
Programming competitions at Bloomsburg University, Rowan University, Widener University, and Scranton University