Angely Philip

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Education

Indiana University, Bloomington, IN May 2017

School of Informatics and Computing: Bachelor of Science in Computer Science
Kelley School of Business: Certificate in Technology Entrepreneurship
GPA: 3.2/4.0

- Specializations: Artificial Intelligence and Systems Engineering; Minors: Mathematics and Informatics
- Relevant Coursework: Algorithm Design and Analysis, Object-Oriented Software Systems, Discrete Structures, Data Structures, Database Concepts, Search, Fundamentals of Computing Theory, Artificial Intelligence Theory, Calculus, iOS Development

Technical Skills

- Languages: Python, Java, C++, Swift, Perl, Scheme, Enaml, reStructuredText, R
- Platforms: UNIX, Mac OS X, iOS, Linux, Microsoft Windows
- Databases: PostgreSQL, Microsoft SQL, Hydra Object-Oriented Database, KDB
- Web Development: JavaScript, Bootstrap, Foundation 5, HTML5, CSS3

Professional Experience

J.P. Morgan, New York, NY June 2016 – August 2016

Software Engineering Intern

- Improved the efficiency of a risk calculation test module from 3 hours down to 5 minutes by writing an Artificial Intelligence trade selection agent that select key trades throughout the day and preforms batch processing tests, then reports the results to the team

PricewaterhouseCoopers, New York, NY January 2016 – May 2016

Data Engineering Intern

- Instrumented and designed a data reading project that improved the efficiency of read input time from 2 hours down to 96 seconds using threading and multiprocessing techniques, ultimately changing the way the team reads and manipulates millions of rows
- Won "Most Technical" award alongside a full-time teammate on a team of 100+ developers for optimizing data reading time
- Wrote a testing suite, including black-box, unit testing, and integration testing while porting analytics code from Python 2.7 to 3.5

J.P. Morgan, New York, NY June 2015 – August 2015

Software Engineering Intern

- Analyzed, documented and enhanced a strategic Reference Data Toolkit application that links to a Hydra Object-Oriented database in the Global Commodities Group while seeing self-proposed project enhancements to completion
- Fixed production issues with existing reference data applications written in Python and Enaml while collaborating with a global development team in London and Singapore, ultimately recognized by manager for exceeding expectations at end of summer ratings

The Brendel Group, Bloomington, IN January 2014 – October 2014

Undergraduate Researcher

- Utilized Perl and Python programming languages in a UNIX platform to develop research-assisting programs that analyze large-scale genome sequences under the direction of the department head for Bioinformatics as their exclusive undergraduate researcher

Viridi Technology, West Lafayette, IN May 2014 – August 2014

Research Assistant

- Analyzed the Chinese and American personal finance markets to implement a mobile personal finance application, ultimately advising a company transition from China into the United States to improve efficiency by generating 30% increase in gross revenue
- Developed Viridi Technology's Business Plan and assisted in grant research using academic databases and professional research techniques and creatively utilized HTML and CSS to develop the company website using analysis on research

Leadership

Web Development Special Interest Group, Bloomington, IN January 2015 – January 2016

Lead Intern

- Organized and instructed a Web Development Special Interest Group, speaking at local conferences, Indiana University lectures and organizations with the purpose of empowering women by teaching Web Development workshops

Union Street Center Student Government, Bloomington, IN May 2014 – May 2015

Vice President

- Presided over a 17 member Student Government that represented 1000+ residents, creating two resident engagement boards and planning over 20 large-scale community events, ultimately recognized for efforts in Outstanding Community Engagement

Honors and Projects

- Faculty-chosen to engage in the 2014 - 2015 Undergraduate Research Experience Program for Computer Science majors in the School of Informatics and Computing, independently developing an algorithm that recursively constructs and analyzes images using C++ in a UNIX environment; ultimately presenting research poster at Carnegie Mellon University on behalf of Indiana University
- 1st place in division and 2nd place overall at J.P. Morgan's showcase coding competition, Code for Good in New York City, developing a creative fundraising solution with a team of 5 that benefits The Michael J. Fox Foundation for Parkinson's Disease
- Faculty-selected to participate in an intensive Web Development Leadership focus group, through Indiana University's Center of Excellence for Women in Technology, advancing to Lead Intern to create a Web Development Group that empowers women