

Haoran(Kasper) YANG

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EDUCATION

- **Stony Brook University**, Stony Brook, NY
B.S. in Computer Science, Second Major: Mathematics
GPA: 3.96/4.0

PROJECTS

- Seawolf Parser *Python Project* – A parser of programming language Mar. 2017 – May 2017
 - Understood the difference between names, scopes, and bindings
 - Used Antlr4 to build a programming language syntax tree and to parse the tree
 - Evaluated expression under control flow
- Standard Format-ish Shell *C Project* – A bash-like shell programming in C Mar. 2017 – Apr. 2017
 - Programmed with operating system APIs
 - Wrote unit tests, integration tests and stress tests
 - Used Linux/Unix System on VMware and revision-control system
- Website Development *HTML5/CSS/JavaScript Project* – [NLP](#)/[NETSYS](#)/[LUNR](#) Nov. 2016 – Mar. 2017
 - Built websites for Department of C.S. in Stony Brook University from scratch
 - Leader of new website development, responsible for team management
 - Cooperated with peers, and maximizing the advantage of collaboration
- BuzzWord Game *Java Project* – An educational game in Java Oct. 2016 – Dec. 2016
 - Understood the importance of programming style and modularity to the construction of robust software
 - Applied techniques of object-oriented programming in the context of large-scale programs.
 - Used programming tools such as debuggers, documentation generators, and revision-control systems

WORK EXPERIENCE

- Web Developer, Department of C.S., Stony Brook University Sept. 2016 – Present
- Student Assistant, Confucius Institute, Stony Brook University Feb. 2015 – Present
- Teaching Assistant, Department of AAS., Stony Brook University Aug. 2016 – Dec. 2016
- Teaching Assistant, Department of C.S., Stony Brook University Feb. 2016 – May 2016
- Student Assistant, Stony Brook University Library Jan. 2016 – Feb. 2016

AWARDS

- Outstanding Academic Achievement Award Spring 2015, 2016, 2017
- Certificate for HSK Administrator May. 2015
- Dean's List 2014 - 2017

SKILLS

- Algorithms, Artificial Intelligence, Data Science, Object-Oriented Programming, Design Patterns
- Java, C, Python, Prolog, MATLAB, HTML5, CSS3, JavaScript, PHP, MIPS, MySQL, LaTeX