

YU PAN

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OBJECTIVE

Looking for a software engineer intern position focusing on backend or data science. Currently eligible to work in Germany.

EDUCATION

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|------------------------|---|
| SEP 2015 -
JUN 2018 | Jacobs University
<i>Bremen, Germany</i> <ul style="list-style-type: none">– Bachelor in Computer Science– GPA: 1.70 on a 1.0 to 5.0 scale |
| SEP 2017 -
DEC 2017 | Carnegie Mellon University (One semester exchange)
<i>Pittsburgh, United States</i> <ul style="list-style-type: none">– GPA: 3.80 on a 4.0 to 0.0 scale |

TECHNICAL SKILLS AND KNOWLEDGE

C++, C, Python, Standard ML, OCaml, Git, Selenium, Numpy, Linux, Scala

Machine Learning, Functional Programming, Discrete Mathematics, Compiler Design, Linear Algebra, Probability, Cryptography

WORK EXPERIENCE

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|------------------------|---|
| JUN 2017 -
AUG 2017 | Software Engineer Intern
<i>Preisenergie, Munich</i> <ul style="list-style-type: none">– Design and build an automated web-application UI testing structure with Selenium.– Build a Jenkins CI pipeline including steps of unit tests, integration tests and UI tests, and integrate it with BitBucket pull request board.– Build web scrappers with Python, Selenium and BeautifulSoup to pull data from data source websites, format them with clear schema for further model building and data analysis. |
| SEP 2016 -
MAY 2018 | Teaching Assistant
<i>Jacobs University, Bremen</i> <ul style="list-style-type: none">– Fall 2016: General Computer Science & Mathematical Software Lab– Spring 2017: Secure and Dependable System– Spring 2018: Computability and Complexity |

PROJECTS

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| SEP 2017 -
DEC 2017 | Co compiler <ul style="list-style-type: none">– Implement the compiler of C0, a safe subset of C programming language, using OCaml. The project includes parsing, abstract syntax tree building, typechecking, machine code generation, error handling and several optimizations.– Implement some basic Object-Oriented features on top of C0. |
| FEB 2018 -
MAY 2018 | Classical Music Generator with echo state network (Bachelor Thesis) <ul style="list-style-type: none">– Process music files into formatted training and testing data using python and numpy.– Build and train an echo state network, a special architecture of recurrent neural network, using ridge-regression, k-fold cross validation and parameter optimization. |

LANGUAGES

CHINESE: Mother Tongue

ENGLISH: Bilingual Fluency

GERMAN: Basic Knowledge