# Shukai Ni

WEB DEVELOPMENT · CYBER SECURITY

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## Education

### Minerva Schools at KGI
*San Francisco, United States*

COMPUTATIONAL SCIENCES & BUSINESS
*May. 2018 - PRESENT*

- (Major)Mathematics and Operations Research
- (Major)Strategic Finance
- SAT 1520
- TOEFL 111
- Javascript = Python/R = Clojure > C > Java

## Experience

### Freelance software development
*Online*

SOFTWARE ENGINEER
*Jun. 2015 - PRESENT*

- A Mac Cache cleaner with regular expression and genetic matching
- A lie detector by synthesizing Azure Emotion APIs
- Project Seichi, a place-of-interest GIS with React.js

### Consulting with Frauenmond, TBM Inc.
*Seoul, Korea*

CONSULTANT
*Oct. 2019 - Dec. 2019*

- Analyzed Korean chocolate market with Porter's Five Forces Model and managerial accounting
- Devised expansional strategies with Encouragement Study based on Genetic Matching and Regression Discontinuity
- Offered Neural Network model for Alpha/Beta tests on feature designing

### Project Safe Francisco with Gensler Inc.
*San Francisco, United States*

PROJECT MANAGER & CODER
*Sep. 2018 - May. 2019*

- Developed a San Francisco city life simulation game, selected as that year's showcase
- Scripted game events based on interviews and surveys with local citizens
- Collaborated with Gensler Inc. and their architecture designing team

### Nine Chapter Inc.
*Shanghai, China*

WEB DEVELOPER & COMPONENT DESIGNER
*Aug. 2017 - Nov. 2017*

- Streamlined frontend building process
- Sped up project building speed by 20x with caching
- Bridged major front-to-back communications & REST API design

### Complex Network at the University of Pennsylvania
*Philadelphia, United States*

GROUP LEADER & CODER
*Jul. 2016 - Aug. 2016*

- Analyzed social and biological network with Matlab simulation
- Implemented and improved PageRank for Facebook network analysis
- Optimized the program 200 times its original speed

### IASC Asteroid Search
*Wuxi, China*

IMAGE ANALYZER & ASTEROID RESEARCHER
*Jun. 2015 - Oct. 2015*

- Analyzed images for possible unidentified asteroid with image recognizing algorithm
- Reported results to Minor Planet Center, Harvard University
- Located 2 asteroids based on NASA-provided images