

JOHN JIACHUN PENG

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SUMMARY

Recent graduate data and programming professional with 5+ years of experience in computing, programming, statistics, and mathematics. Proven ability to understand systems from software development to hardware installation. Looking for employment in programming or technical role in the Bay Area.

SKILLS

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|--------------|--------------------|-----------------------------|
| • Python 3 | • Machine Learning | • Recurrent Neural Networks |
| • NumPy | • R | • C++ |
| • Matplotlib | • Statistics | • Java |

EDUCATION

University of California, Berkeley, CA, USA

Non-degree Post-Graduate Education

Jun-Aug 2018

- Introduction to Machine Learning:
 - Implemented MNIST classification in python with linear classification boundaries, and with neural networks using TensorFlow
- Introduction to Artificial Intelligence
 - Used python to implement planning, reinforcement learning, approximate q-learning, cooperative agents in the context of Pac-man
 - Used python to implement language identification using recurrent neural networks
 - Used python to implement tracking agents with inference from Bayes' nets, hidden Markov models, and particle filters

University of California, Los Angeles, CA, USA

B.S., Financial Actuarial Mathematics, Specialization in Computing

Jun 2017

Courses taken include: Algorithms, Introduction to Discrete Structures, Applied Numerical Methods, Advanced Programming, Principles of Java

- Advanced Programming (C++): Created an item-gathering game using Qt
- Economic Forecasting: Performed time-series analysis on Hawaiian employment
 - Used R to create VAR/ARIMA models and make forecasts
 - Evaluated model by looking at residual ACF/PACF, CUSUM, recursive residuals
- Member of Bruin Actuarial Society
 - 2016 Case Competition: Worked in 4-person group to prepare and present actuarial analysis on the impact of expanding to new lines of insurance business