Jen-Chieh Chiang

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Education

Georgia Institute of Technology
Master of Science in Computer Science; GPA: 3.6/4.0 *Dec 2017*

University of Massachusetts Medical School
PhD in Biomedical Science *Dec 2017*

Technical Skills

Languages: JavaScript/ES6, Python, Java, HTML, CSS, Ruby, R, MySQL
Frameworks: React, Redux, MongoDB, Express, Node.js, scikit-learn, Pandas, Seaborn, Matplotlib, Angular, Bootstrap, SpringMVC, Ruby on Rails, jQuery

Professional Experiences

University of Massachusetts Medical School
PostDoctoral Associate *Dec 2017 ~ Present*
Analyzed genomic data using R and Bioconductor to evaluate effects of chromosome silencing on Down syndrome cells and identify mis-regulated genes and pathways

Selected Projects

Protofolio
[https://protofolio-jcc.herokuapp.com/] [https://github.com/bpru/protofolio]
My portfolio website
- Implemented frontend with React and backend with Node.js
- Responsive web design

Auto-Emaily
[https://autoemaily.herokuapp.com/] [https://github.com/bpru/emaily]
A feedback-collection web app
- Implement MERN stack web service with *MongoDB*, *Express*, *React*, and *Node.js*
- Handle user authentication with Google OAuth authentication
- Process credit card payment through Stripe
- Automated emails sent by Sendgrid

SciConnector
[https://sciconnector.herokuapp.com/] [https://github.com/bpru/sciconnector]
A social network web app for scientists
- Implement MERN stack web service with *MongoDB*, *Express*, *React*, and *Node,js*
- Develop Ajax based frontend with *React* and *Redux* for middleware and reducers
- Implement backend with *Node.js,* database with *MongoDB, and REST API via Express.*

GamesBook
[gamesbook.herokuapp.com] [https://github.com/bpru/gamesbook]
Rails based online social and gaming web service
- Developed *REST* APIs with *Ruby*, *Rails*, *jQuery*, and *Bootstrap*
- Implemented persistent storage using *AWS*

FaceOff
[https://github.com/bpru/faceoff]
Python based program to swap 2 faces within the same photo
- Implemented facial recognition feature with *Python*, *OpenCV*, and *Dlib*
- Worked on > 80% tested photos