BENNY TRAN

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https://tranbenny.github.io

SKILLS

Programming Languages: Java, Python, JavaScript/ES6, Matlab, SQL
Frameworks/Tools: React, Angular, Bootstrap, jQuery, Node, Express, Flask, Android SDK, junit,
git, MySQL, HTML5, CSS
Familiar with: MongoDB, D3, pandas, sci-kit learn
Relevant Coursework: Computer Programming, Data Structures, Algorithms and Computational
Complexity, Database Systems, Artificial Intelligence

EXPERIENCE

Undergraduate Research Assistant   11/2015 - present
University of Washington Department of Radiation Oncology   *Seattle, WA*
- Python, Matlab
- Studying how linear optimization can improve cancer radiation treatments
- Reduced runtime and number of iterations in previous data processing programs
- Improved existing data manipulation programs with error responses, tests for
  geometrical beam orientations/radiation dosages, and data input validation
- Enhanced data reports by creating program that generates heat map visualizations of
  high intensity radiation areas and applies custom linear functions to dataset

Web Developer Intern   10/2015 – present
CashVue   *Seattle, WA*
- Angular, React, Node, Bootstrap, Express, D3, MongoDB, JavaScript
- Redesigned UI's to improve responsiveness and successfully integrated new
  components with existing project structure and stack
- Led front-end development of dashboard web application:
  - Implemented client's design of financial dashboard and functionality while
    quickly learning/utilizing React
  - Integrated all components of app with API testing, unit tests, and devising the
    overall project structure

PROJECTS

Yelp Agenda Planner App (*Java, Android SDK, Firebase*):
Implemented automatic plan generation, customizing blank plans, customizing yelp search
results, plan sharing to other users, and group chat features in Android app.
World Headlines Data Visualization (*Angular, Python, MySQL, Flask*):
World map data visualization of global news headlines' locations
US Poverty Model (*Python*):
Custom state space search to model the effect of poverty and number of schools

EDUCATION

Bachelor of Science: Biochemistry, Minors: Math, Chemistry
University of Washington – Seattle   Expected Graduation: 06/2017