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Benjamin Kandov

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Education

Stony Brook University   **Stony Brook, NY**   **Fall 2014 - Current**
B.S. in Computer Science   Expected Graduation: May 2018   G.P.A. 3.58
B.A. in Psychology

Employment

Software Engineer, Intern   **Tudor Investment Corporation**   **June 2016 - August 2016**
- Completed Java application to monitor MongoDB nodes' stats and log them using log4j and JDBC Mongo Driver.
- Assisted department in project to migrate cache from JBoss to MongoDB. Created a Java program to automate writing (for each database entity) of JUnit tests, MongoDB and Sybase XML mapping files for Eclipselink usage, and Javascript files to ensure indexes for tables with composite primary keys.
- Participated in department-wide Data Analytics competition for interns - wrote Python application using Pandas and Bokeh for data retrieval and visualization, respectively, which finds similarity between time series' of FX rate prices. Awarded "Best Overall Software Project" prize.

Undergraduate Teaching Assistant   **Stony Brook University**   **January 2016 - Present**
- Hold weekly office hours and recitation sections to assist students taking Computer Science III (Software Development), tutoring them on design patterns and advanced object oriented concepts, as well as helping them debug their projects.

Research Assistant/Programmer   **Dr. Nancy Franklin's Memory Lab**   **August 2014 - May 2015**
- Participated in conducting psychology of memory experiments by coding interactive scripts in Python.
- Utilized XML, Qualtrics, and Mturk to design and run surveys.

Projects

- **ePortfolioGenerator -** JavaFX application that allows users to create their own webpage and add slideshow, text, image, list, and video components to it, change layout/color scheme and export it as an HTML5 application. Can save and load projects. Used Java, JavaFX, HTML5&CSS3, JavaScript, JQuery, JSON. Git: http://github.com/BenKandov/ePortfolio-Generator
- **IRC Server and Client -** Chat server written with NodeJS, SocketIO, Mongoose/MongoDB, and Express with private messaging and chat-log-saving functionality, as well as a bunch of random features constantly added. Hosted: https://intense-cliffs-66991.herokuapp.com/. Git: https://github.com/BenKandov/express_chat_server
- **Pup Scouter (Won Most Original Hack at HackHealth2016) -** Uses Reddit API to scrape for cute dog images, scans them through Clarifai API to get keywords which it uses to construct cute messages, and delivers them to the user. Allows users to vote for their favorite images and see what kinds of qualities others are voting for. Backend in Flask microframework for Python, front in Bootstrap. Hosted: https://secret-hollows-62864.herokuapp.com/ Git: https://github.com/BenKandov/Hack_Health_Pupper_WebApp
- **Probability Calculator –** Native Android app coded in Java. Calculates probabilities and is pretty handy for Statistics courses. Git: http://github.com/BenKandov/ProbabilityCalculator

Languages and Technologies

- Java, Python, Javascript, HTML&CSS, SQL.
- Git, MongoDB, Sybase, JDBC, JavaFX, JUnit, Maven, NodeJS, Express, Mongoose, JSON, Flask, Bokeh, Pandas.