

## Education

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### **Stony Brook University**

**Long Island, NY**

**Fall 2014 - Current**

B.S. in Computer Science  
B.A. in Psychology

Expected Graduation: May 2018

G.P.A. 3.58

### **Course Work:**

- Data Visualization (In Progress), Databases (In Progress), Analysis of Algorithms (In Progress), User Interface Design, System Architecture, Data Structures.

## Employment

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### **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 takes in an FX rate and time series and outputs plots of similar time series' from historical data on that FX rate. Awarded "Best Overall Software Project" prize.

### **Undergraduate Teaching Assistant**

**Stony Brook University**

**January 2016 - May 2016**

- Held weekly office hours 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.

## Technical Experience

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### **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](https://github.com/BenKandov/express_chat_server)
- **Tic-Tac-Toe with AI** - HTML app made with JQuery that allows two-player and player vs AI matches. Hosted on my personal website ( <https://benkandov.github.io>) which I made with Bootstrap and JQuery (). Git: <https://github.com/BenKandov/tic-tac-toe-game-with-AI>
- **Probability Calculator** – Native Android app coded in Java. Calculates probabilities and is pretty handy for Statistics courses. I used Java and Android Studio. Git: (<http://github.com/BenKandov/ProbabilityCalculator>)

## Languages and Technologies

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- Java, Python, Javascript, HTML&CSS, SQL, MIPS Assembly.
- Git, MongoDB, Sybase, NodeJS, Express, JavaFX, JUnit, Bokeh, Pandas, JQuery, Bootstrap, JSON, JDBC, Maven.
- Eclipse, Netbeans, Android Studio, PyCharm, IntelliJ.