

# John R. Kahrs

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## Experience

Intern at The MITRE Corporation (Summer of 2014) -

### **The purposeful collaboration board (codename OmegaBoard):**

A web based application meant for purposeful and instantaneous collaboration during meetings using web sockets for communication. I was responsible for the ice breaking portion of the board, designing games like pin the tail on the donkey that could instantly relieve the tension of a business meeting in a fun and exciting way. I also designed virtual business cards that can be pulled down from a database once created in order to show who else was in the virtual or physical room with you. Both of these plugins were created using JavaScript and implemented into the whiteboard code using socket.io and mongoDB for the database.

### **Gameification of corporate archival process for MITRE's new facility:**

Developed for a new facility MITRE is building, I was given the task of finding a more abstract and intuitive way to archive old photos of MITRE employees for the MITRE archives. I created a photo uploading website and service that used web sockets for data transmission and a mongo database to store the photos. The user has the ability to tag the photos on the spot, the event at which they were taken, and the original person who took the picture (if it wasn't him or herself). I then created a front-end graphic intensive photo collage that displayed all the photos dynamically to prevent lagging, and on a click displayed all the information about the photo, giving the user the option to edit the data once again.

## Education

University of Rhode Island

Candidate for B.S. in Computer Engineering and B.A. in French

Kingston, RI

Expected May 2018

- Relevant Courses: Java Computer Programming, Multivariable Calculus, Introduction to Computing Systems, Physics Electricity and Magnetism, Engineering programming (MATLAB).
- Pursuing minor in Arabic.
- Activities: Varsity Men's Track and Field

## Skills

Computer programming in Javascript, C, Java, MATLAB and Ruby languages, Microsoft Word and Excel.

Database management with mongoDB and mongoose.

Eagle scout Fall 2012

## References

Available upon request