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| **ACS 560: Software Engineering** | |
| Project Evaluation | **Kassie Bowman** |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | This is an overview of my project evaluation and my personal details. Details below. | | | | | | **Topic** | Microblog 911: Emergency Identification & Notification Service | **Project Members** | Kassie Bowman | | **Project Manager** | Kassie Bowman | **Aspects** | Web service, real-time text mining | | **Subjects** | Computer Science, Data Mining | **Development Time** | 3½ months | | **Objective** | Design an application that can identify emergencies quickly and accurately using microblog data | **Sponsor** | N/A | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Personal Details** | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | *Interests* | |  |  | | --- | --- | | • | Defense technology | | • | Distributed applications | | • | Data mining | | | *Qualifications* | |  |  | | --- | --- | | • | Experienced Software Engineer, employed at Raytheon | | • | Proficient in Java, C++, and C | | • | Bachelor’s degree in Computer Engineering from Purdue in West Lafayette | | | *Expectations* | |  |  | | --- | --- | | • | Experience all phases of software design, including the inception and elaboration phases | | • | Gain a perspective of software design outside of a large defense contractor | | | | **Project Details** | This project will entail designing a system that can analyze posts to a microblog application and detect an emergency situation. Microblog data will be collected through public APIs and analyzed to detect the occurrence of a situation of interest, such as a tornado, shooting, traffic accident, house fire, etc. Once a situation has been detected, the appropriate emergency services personnel will be notified so they can respond appropriately. Members of the public who subscribe to the service will also be notified based on their personal preferences. Particular attention must be paid to issues such as timeliness and accuracy. | | **Resources** | * Project Cmap – [www.students.ipfw.edu/~bowmkm01](http://www.students.ipfw.edu/~bowmkm01) | | |