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## ROBERT BADGETT

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### **Required Skills:**

jQuery, R, Web Application, HTML, JavaScript, CSS

### **Preferred Team Communications:**

Conference Call, to be discussed

### **Data Sources:**

Common EHR data obtained through FHIR. Our EHR is eClinicalWorks.

### **Other Items:**

Project has time zone flexibility. Mentors and students will determine a good time for virtual meeting

### **Team Info:**

Developer, Tester. Allows one team of 4-6 members.

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## CONNECTING EHRS TO CDSS

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openCPU is an ideal solution for CDSS as it is both open source, and it also provides infrastructure for hosting code. This reduces the work of developing and also provides reusing of code. For example, CDSS code online that is used by one clinical site, could be easily adapted to another clinical site in order to brand and customize output. This would be especially helpful for patient-facing applications that might customize telephone numbers in the applications output. This would also allow decision scientists to collaborate and develop and test alternative outputs to facilitate provide and patient decision making.

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### PROJECT OBJECTIVES

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1. Connect the ASCVD calculator to make a single decision support app.
  2. Create a collaborative, open-source solution using openCPU.org
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### SUCCESSFUL PROJECT

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We recognize that the current server-side processing done at [https://openrules.ocpu.io/home/www/statins\\_for\\_cvd.html](https://openrules.ocpu.io/home/www/statins_for_cvd.html) would be need to converted to serving client-side script to avoid PHI concerns.

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**Intellectual Property:** None