**Contributions**

* Mathew Aloisio (~20%)
  + Background thread operations.
  + UIOverviewPage filters and GetLaureates() function.
  + Image loading.
  + Page caching.
  + Debugging / testing.
* Tam Le (~20%)
  + UI biography page.
  + UI prize entry.
  + UI prize pane.
  + Project planning.
  + Debugging / testing / bug fixes.
* Femi Atunnise (~20%)
  + UILaureateButton
  + UIOverviewPage display half.
  + JSON data model design.
  + Debugging / testing / bug fixes.
* Dylan Olikka (~20%)
  + UI styling.
  + UI design.
  + Assisted in JSON data parsing.
  + Assisted in UIBiographyPage.
  + Debugging / testing / bug fixes.
* Alyssa Norton (~20%)
  + JSON data parsing.
  + UI styling.
  + JSON data model(s).
  + Debugging / testing / bug fixes.

**Features**

* + The program provides the ability to search based on the following filters:
    - Laureate gender.
    - Prize year range (min & max).
    - Laureate country codes.
    - Prize category.
    - Laureate name.
    - Laureate prize affiliation.
  + The program lets users sort search results by:
    - Name
    - Gender
    - Prize Count
    - Country Code
  + The program supports laureates with multiple Nobel prizes.
  + The program caches paged viewed after a “Search” and will keep them in memory for fast access till the “Search” button is pressed again.
  + The program will never freeze during operation, even while downloading laureate pictures. Instead, the program will display a temporary loading image.
  + When hovering over a laureate in the results pane the clickable area will be highlighted to show the user that clicking the box takes them to the laureate’s biography page.

**Known Flaws**

* + The application fetches and parses all JSON data when the application is first started creating an initial lag spike in exchange the data access is extremely fast during runtime.
  + Most of the UI is positioned using absolute positions therefore the UI is not resolution independent. In a commercial application it would be unlikely you would do this.
  + The program ignores the “org” gendered laureates found in the laureate database.