



Australian  
National  
University

## Position Description

<b>College/Division:</b>	ANU College of Business and Economics
<b>Faculty/School/Centre:</b>	
<b>Department/Unit:</b>	Research School of Economics
<b>Position Title:</b>	QuantEcon Early Career Researcher in Computational Economics
<b>Classification:</b>	Academic Level A (1-Year Fixed Term)
<b>Position No:</b>	
<b>Responsible to:</b>	Professor John Stachurski
<b>Number of positions that report to this role:</b>	0
<b>Delegation(s) Assigned:</b>	N/A

### PURPOSE STATEMENT:

The QuantEcon Early Career Researcher in Computational Economics will support development of the QuantEcon project (<http://quantecon.org>) and the Principal Investigator. The project is a benchmark for high quality open source code for the economic sciences and supports quantitative economic analysis in all branches of the discipline. The QuantEcon project is coordinated by researchers at New York University and Australian National University. The position is funded by QuantEcon but located at The Australian National University, College of Business and Economics, Research School of Economics. Candidates should have a long-term interest in pursuing economics related research and are looking to undertake a PhD.

### KEY ACCOUNTABILITY AREAS:

#### Position Dimension & Relationships:

The QuantEcon Early Career Researcher in Computational Economics will be responsible for providing support in the development of the QuantEcon project (<http://quantecon.org>). The QuantEcon project consists of lectures and code libraries designed to teach quantitative skills and solve quantitative economic problems. The code libraries contain routines for optimization, control, simulation and estimation that are motivated by economic problems and written in Python and Julia.

### Role Statement:

Under the broad direction of Principal Investigator the Early Career Researcher will:

- Assist in the development of lectures at <http://lectures.quantecon.org/>
- Assist in development of QuantEcon code libraries
- Provide day to day assistance to QuantEcon team members
- Outreach to community including possible travel in support of QuantEcon workshops
- Participation and assistance of lectures, forums and cloud related infrastructure
- Comply with all ANU policies and procedures, and in particular those relating to work health and safety and equal opportunity

## SELECTION CRITERIA:

1. A degree in computer science, economics or closely related field
2. Ability to use Unix / Linux, Python, open source development skills
3. Some knowledge of web development (CSS,HTML) LaTeX and/or Julia programs
4. Ability to engage in collaborative project activities, including working as part of a team
5. A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context

**Please note: The successful applicant must have rights to live and work in this country. This position is contingent on funding approval.**

<b>Supervisor Signature:</b>		<b>Date:</b>	
Printed Name:		<b>Uni ID:</b>	

## References:

[General Staff Classification Descriptors](#)

[Academic Minimum Standards](#)



# Pre-Employment Work Environment Report

## Position Details

<b>AREA</b>	<b>College of Business and Economics</b>	<b>Dept/School/Section</b>	<b>Research School of Economics</b>
<b>Position Title</b>	<b>Research Assistant</b>	<b>Classification</b>	<b>Academic Level A</b>
<b>Position No.</b>		<b>Reference No.</b>	

In accordance with the Occupational Health and Safety Act 1991 the University has a duty of care to provide a safe workplace for all staff.

- This form must be completed by the supervisor of the advertised position and forwarded with the job requisition to Appointments and Promotions Branch, Human Resources Division. Without this form jobs cannot be advertised.
- This form is used to advise potential applicants of work environment issues prior to application.
- Once an applicant has been selected for the position consideration should be given to their inclusion on the University's Health Surveillance Program where appropriate – see . [http://info.anu.edu.au/hr/OHS/\\_Health\\_Surveillance\\_Program/index.asp](http://info.anu.edu.au/hr/OHS/_Health_Surveillance_Program/index.asp)  
Enrolment on relevant OHS training courses should also be arranged – see [http://info.anu.edu.au/hr/Training\\_and\\_Development/OHS\\_Training/index.asp](http://info.anu.edu.au/hr/Training_and_Development/OHS_Training/index.asp)
- 'Regular' hazards identified below must be listed as 'Essential' in the Selection Criteria - see ' Employment Medical Procedures' at [http://info.anu.edu.au/Policies/\\_DHR/Procedures/Employment\\_Medical\\_Procedures.asp](http://info.anu.edu.au/Policies/_DHR/Procedures/Employment_Medical_Procedures.asp)

## Potential Hazards

- Please indicate whether the duties associated with appointment will result in exposure to any of the following potential hazards, either as a **regular** or **occasional** part of the duties.

TASK	regular	occasional	TASK	regular	occasional
key boarding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	laboratory work	<input type="checkbox"/>	<input type="checkbox"/>
lifting, manual handling	<input type="checkbox"/>	<input type="checkbox"/>	work at heights	<input type="checkbox"/>	<input type="checkbox"/>
repetitive manual tasks	<input type="checkbox"/>	<input type="checkbox"/>	work in confined spaces	<input type="checkbox"/>	<input type="checkbox"/>
catering / food preparation	<input type="checkbox"/>	<input type="checkbox"/>	noise / vibration	<input type="checkbox"/>	<input type="checkbox"/>
fieldwork & travel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	electricity	<input type="checkbox"/>	<input type="checkbox"/>
driving a vehicle	<input type="checkbox"/>	<input type="checkbox"/>			
<b>NON-IONIZING RADIATION</b>			<b>IONIZING RADIATION</b>		
solar	<input type="checkbox"/>	<input type="checkbox"/>	gamma, x-rays	<input type="checkbox"/>	<input type="checkbox"/>
ultraviolet	<input type="checkbox"/>	<input type="checkbox"/>	beta particles	<input type="checkbox"/>	<input type="checkbox"/>
infra red	<input type="checkbox"/>	<input type="checkbox"/>	nuclear particles	<input type="checkbox"/>	<input type="checkbox"/>
laser	<input type="checkbox"/>	<input type="checkbox"/>			
radio frequency	<input type="checkbox"/>	<input type="checkbox"/>			
<b>CHEMICALS</b>			<b>BIOLOGICAL MATERIALS</b>		
hazardous substances	<input type="checkbox"/>	<input type="checkbox"/>	microbiological materials	<input type="checkbox"/>	<input type="checkbox"/>
allergens	<input type="checkbox"/>	<input type="checkbox"/>	potential biological allergens	<input type="checkbox"/>	<input type="checkbox"/>
cytotoxics	<input type="checkbox"/>	<input type="checkbox"/>	laboratory animals or insects	<input type="checkbox"/>	<input type="checkbox"/>
mutagens/teratogens/ carcinogens	<input type="checkbox"/>	<input type="checkbox"/>	clinical specimens, including blood	<input type="checkbox"/>	<input type="checkbox"/>
pesticides / herbicides	<input type="checkbox"/>	<input type="checkbox"/>	genetically-manipulated specimens	<input type="checkbox"/>	<input type="checkbox"/>
			immunisations	<input type="checkbox"/>	<input type="checkbox"/>
<b>OTHER POTENTIAL HAZARDS (please specify):</b>					

<b>Supervisor's Signature:</b>		<b>Print Name:</b>		<b>Date:</b>	
--------------------------------	--	--------------------	--	--------------	--