

# GUY PATERSON-JONES

## PERSONAL DATA

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PLACE AND DATE OF BIRTH: CAPE TOWN, SOUTH AFRICA | 10 MAY 1995

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GITHUB: [HTTPS://GITHUB.COM/BUBBLYWORLD](https://github.com/BUBBLYWORLD)

[HTTPS://GITHUB.COM/NOGJU](https://github.com/NOGJU)

## WORK EXPERIENCE

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JULY-NOV 2017 | DEPARTMENTAL TUTOR FOR THE UNIVERSITY OF CAPE TOWN

TAUGHT FIRST-YEAR STUDENTS BOTH PURE AND APPLIED MATHEMATICS.

DEC-FEB 2017 | FREELANCE WORK FOR TIM LIND

WORKED ON A FULL-STACK JAVASCRIPT WEB APPLICATION.

DEC-FEB 2016 | INTERNSHIP AT AMAZON, CAPE TOWN

INTERNEED ON THE DATA SERVICES TEAM, FOCUSING ON INTERNAL DATA STORAGE AND TRANSFORMATION.

DEC-FEB 2015 | INTERNSHIP WITH GUY BEDFORD AND TIM LIND

WORKED ON THE JSPM PROJECT, A JAVASCRIPT FRONT-END PACKAGE MANAGER, BUILDING AN ISOMORPHIC RENDERING PLATFORM CALLED *Zygo*.

DEC-FEB 2014 | INTERNSHIP AT AMAZON, CAPE TOWN

INTERNEED ON THE COMPUTE TEAM BUILDING INTERNAL DIAGNOSTIC TOOLS.

2012 | FREELANCE WORK FOR SA BULLION

FRONT-END WORK BUILDING A INTERACTIVE CHART DISPLAYING GOLD PRICES IN VARIOUS TIME-FRAMES AND CURRENCIES.

## EDUCATION

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2018 HONOURS IN MATHEMATICS  
**University of Cape Town**, SOUTH AFRICA

2016 BSC IN MATHEMATICS AND APPLIED MATHEMATICS  
**University of Cape Town**, SOUTH AFRICA

2013 NATIONAL SENIOR CERTIFICATE  
**Diocesan College**, CAPE TOWN

## SCHOLARSHIPS AND CERTIFICATES

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2014-2015    VICE-CHANCELLOR'S SCHOLARSHIP FOR PERFORMANCE IN MATHEMATICAL OLYMPIADS.

2009-2013    MAJOR MATHEMATICS SCHOLARSHIP, DIOCESAN COLLEGE.

## NOTABLE ACHIEVEMENTS

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2017    CONFERENCE: ARMSCOR CRYPTOGRAPHY

GAVE A TALK ON THE NUMBER FIELD SIEVE FACTORISATION ALGORITHM AND ITS RELEVANCE TO MODERN CRYPTOGRAPHY.

2016    2016 INTERNATIONAL COLLEGIATE PROGRAMMING CONTEXT FINALIST

REPRESENTED SOUTH AFRICA IN THE FINALS OF THE 2016 ICPC HELD IN SOUTH DAKOTA.

2015    CONFERENCE: 2ND WORKSHOP ON MATHEMATICAL STRUCTURES: CATEGORIES IN ALGEBRA AND TOPOLOGY

GAVE A TALK ON INTERNALISING GROUPOIDS CATEGORICALLY.