

# Venanzio Petrarolo

Final Year Chemical Engineering Student

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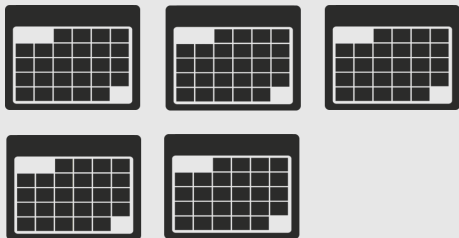
## Core Skills



## Work Experience



Total experience: More than 5 months



## Profile

Currently completing final year of a Bachelor Degree in Chemical Engineering at the University of Pretoria and is seeking permanent employment to begin early 2019. In particular, would like to take advantage of skills and interests in the following:

- General and analytical problem solving in process engineering
- Innovation and creative thinking

As these relate to engineering and management topics. A highly motivated, goal orientated individual who has past all subjects thus far with a year-to-date final year average of 76%. Has also accumulated five months of diverse student work experience in various fields.

## Experience

Dec 2017 -  
Jan 2018

### Distell Student Employee

Distell Ltd.

- Worked for eight weeks during the vacation at the end of third year in a cider packaging facility.
- Worked on various improvement projects and report writing. These included work on efficiency of production lines and defect management.
- Spent a considerable amount of time on the production lines, gaining practical, hands on experience.
- Interacted with employees from a variety of departments, such as quality control, packaging, utilities, finance, engineering and cellars.

June 2017 -  
July 2018

### NrG Student Employee

Next Renewable Generation pty. Ltd.

- Worked for four weeks during the mid year vacation during third year at a renewable energy and financing company.
- Acted in a supporting role in the development of various client project proposals.
- Assisted in moving the business' offices to a new location. This included setting up equipment and furniture.

Dec 2016 -  
Jan 2017

### Distell Student Employee

Distell Ltd.

- Worked for eight weeks during the vacation at the end of second year in a cider making facility.
- Was able to gain valuable work experience and exposure to industry during this time.
- This work involved various investigations, report writing, lab work and general plant work.

2012 -  
2013

### Johannesburg Junior Council Member

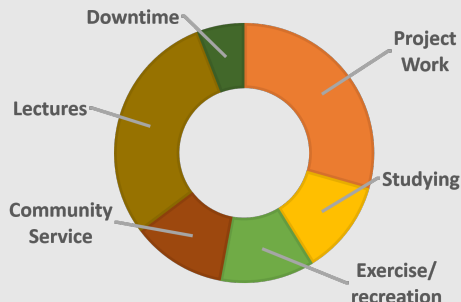
JJC (NGO)

- Served on the Johannesburg Junior Council for the 2012/13 term as a head of committee.
- Oversaw events and fund raisers, and engaged with committee members at regular meetings.
- Was actively involved in the "management" of the council along with other committee chairs and the executive.
- Liaised with other organisations such as Greenpeace and the World Wildlife Fund.

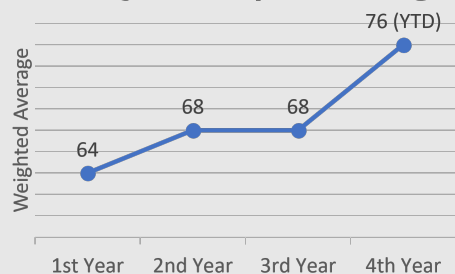
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## Time Spend



## Always Improving -



## BEng. Skills

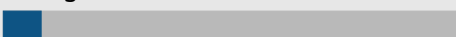
Electronics



Materials



Design



Coding



Mathematics



Problem Solving



Processes



Structures



## Education

Jan 2015 -  
Nov 2018

**BEng. Chemical Engineering**  
*Pretoria, South Africa*

University of Pretoria

- **Current GPA: 68%:** Currently a final (fourth) year student with a year-to-date average of 76%.
- **Specialisation: Optimisation:** Currently completing an elective that teaches techniques and applications of optimisation.
- **Research: Flame retardant polymers:** Synthesised and investigated the effectiveness of a novel flame retardant for various plastics.
- **ACTS society chairperson:** Was responsible for leading a committee which oversaw various events that aid in the spiritual development of the society's 240 registered members. Some such events include outreach programmes such as a weekly soup kitchen and clothing drives.
- **Class rep:** Was one of four class representatives in third and fourth year responsible for being the point of contact between the class and the chemical engineering department as well as organising the yearly departmental function, and department regalia.

Jan 2010 -  
Nov 2014

**High School**  
*Sandton, South Africa*

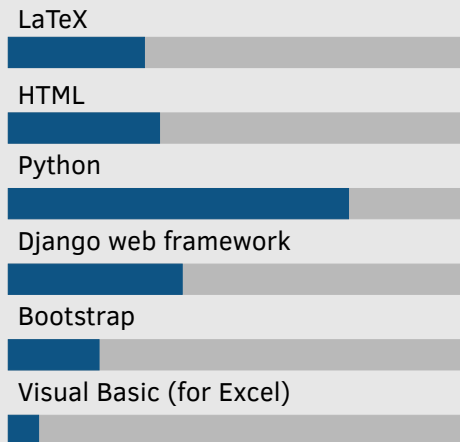
St David's Marist Inanda

- **Subjects:** Mathematics\*, English, Afrikaans, Life Orientation\*, Accounting, Visual Arts, Physical Science, Life science\* (biology), Advanced Programme Mathematics. ( \* Distinction)
- **Hockey:** Selected for the St David's First team squad in 2013 and 2014, received half colours for hockey in 2014. Also, Played for Wanderers Hockey club, men's third team.
- **Debating:** Was part of the St David's team that won the SACCEE championship in 2013, received half colours for debating in 2013, was elected captain in 2014.
- **Public Speaking:** Received half colours for public speaking in 2014. As well as third place in the school's "best speaker" competition.
- **Community Service:** Accumulated in excess of 200 community service hours and received full colours for community service as well as an award for school service.
- **Leadership:** Received full colours in leadership in 2014; as well as the school's highest accolade—the Marcelen Champangat Medal for excellence in community, service, culture and sports. Also trained and served as a school peer counselor and founded the school filming society.
- **Future problem solving programme:** Represented South Africa in the Future Problem Solving world championship in the USA as the youngest member of the team.

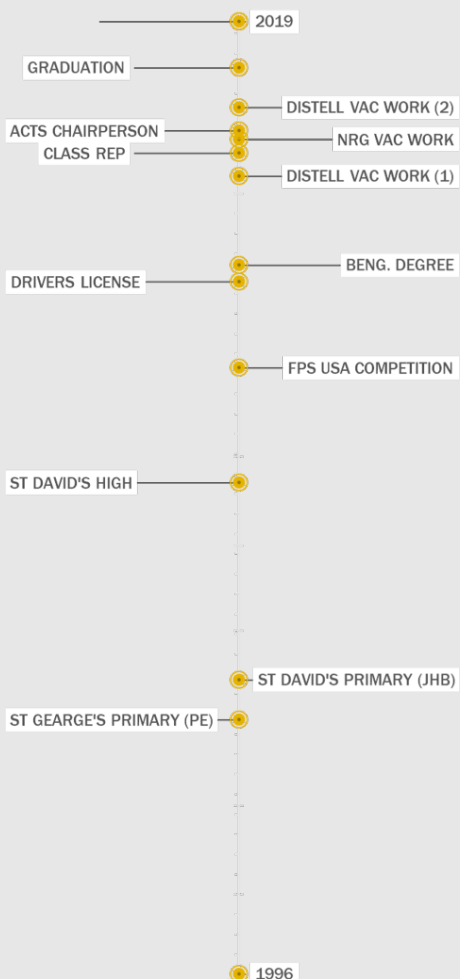
# Venanzio Petraro

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## Coding Skills



## Timeline



## Achievements & Certificates

2018	<b>Mensa high IQ Society</b>	MENSA
	<ul style="list-style-type: none"><li>Mensa, the high IQ society, provides a forum for intellectual exchange among its members.</li><li>Passed the entrance exam in July 2018 and is now a member of the society's Pretoria chapter.</li></ul>	
2017	<b>Golden Key International Honour Society</b>	Golden Key
	<ul style="list-style-type: none"><li>Golden Key provides international recognition for academic achievement and membership is by invitation only. The society invites students in the top 15% of their respective degree programs.</li><li>Was invited to join the society based on third year academic performance.</li></ul>	
2016	<b>Diversity training certificate</b>	University of Pretoria
	<ul style="list-style-type: none"><li>Took part in a pilot module, "Doing Difference Differently (3D)" offered to students in addition to their course modules</li></ul>	
2014	<b>RSA President's Award</b>	The President's Award
	<ul style="list-style-type: none"><li>Gold level President's Award recipient; signed by president Zuma. Internationally this award is known as the Duke of Edinburgh's International award.</li></ul>	
2013	<b>Peer counselling certificate</b>	JPCCC
	<ul style="list-style-type: none"><li>Received a certificate from the Johannesburg Parent and Child Counselling Centre after attending an extensive course with experienced psychologists.</li></ul>	

## Additional Skills

Has a code B South African drivers license.  
Excellent public speaker.  
Familiar with chemistry lab equipment and operation.  
Familiar with processing, production lines and pilot plants.  
Has practical experience in using power tools and equipment such as a drill press, welder, angle grinder.  
Programming experience in python.  
Competent in the the following programmes: Excel, Word, Powerpoint, Outlook OneNote, SolidWorks (CAD software), LT spice (electrical simulations), OpenMod-elica (control simulations), Aspen Plus (chemical plant design) Photoshop, Sony Vegas (video editor) and Audacity (audio editor).  
Plays field hockey.  
Regular blood donor.