

ECG BUZZ @ St Nicks (2020 Sem 2 Edition)

INDUSTRY WATCH

HEALTHCARE

Top Knowledge Needed

- Pharmacology
- Gerontology / Geriatrics
- Palliative Care Techniques
- Patient Safety Measures
- Health Equipment Operations
- First Aid
- Health Management

Top Skills In Demand

- Data Analytics
- Community Care
- Quality and Patient Safety
- Health Technology Assessment
- Inter-Professional Collaboration
- Drug Compounding and Management
- Emergency Response and Crisis Management

Top Attributes In Demand

- Compassion
- Teamwork
- Adaptability
- Resilience
- Analytical

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Scan the QR Code to find out more about **National Telemedicine Guidelines in Singapore!**



JOB EXAMPLES

SPEECH THERAPIST

Assesses clients to plan and carry out speech therapy plans. Educates clients and their caregivers on speech recovery. Performs department administration and operations tasks as well as takes part in continuing education and research.

PHYSIOTHERAPIST

Helps clients restore function and independence through detailed review of problems, specialised treatments and manual therapy. Also organises and assigns caseloads.

PHARMACY TECHNICIAN

Processes prescriptions and dispenses medications. Performs drug supply and distribution, and may assist pharmacists with the preparation of medications. Supports staff management and development as well as takes part in quality assurance.

NURSE MANAGER

Manages manpower expenses and department budgets related to nursing manpower. Plans and directs operational activities while reviewing the use of resources in the department. Oversees the professional and personal development of nurses.

OCCUPATIONAL THERAPIST

Provides care, therapy and client education activities to clients. Performs continuing education and research for quality client care. Recommends therapy after evaluating the client's condition.

INFORMATION & COMMUNICATION TECHNOLOGY

WEB TECHNOLOGIES

Top Knowledge Needed

- Web Service Description Language (WSDL)
- Graphic Design Platforms
- Design Principles
- Operating Systems
- Graphical User Interface (GUI) Specifications
- Web Browser Interfaces

Top Skills In Demand

- Verification of Test Requirements
- Website Diagnostics
- Project Management
- Rich Internet Application (RIA) Maintenance
- Creativity
- Graphic Design

Job Examples

- WEB DEVELOPER**: Specialises in the programming and development of website-based applications using a client-server model.
- ONLINE PRODUCER**: Oversees the creation of website and other online media platform content. Creates, edits and arranges the text, video, audio, images and other materials that may be included on a website.

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IT SOFTWARE SOLUTIONS FOR BUSINESS

Top Knowledge Needed

- Cloud Computing
- Business Models
- Industry Trends
- Data Analytics

Top Skills In Demand

- Data Presentation
- Functional Job Analysis
- Negotiation
- Data Analysis
- Problem Solving
- Collaboration

Job Examples

- AI SOFTWARE SOLUTIONS PROVIDER**: Builds machine learning-enabled analytics platforms to solve problems for businesses by performing functions such as engineering failure diagnostics, data analyses, data presentation and process automation via algorithmic input etc.
- DATA ANALYST**: Identifies and specifies data requirements for new reports to meet the reporting needs of the business users. Assists in the qualitative/quantitative analysis of data.

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INTERNET OF THINGS

Top Knowledge Needed

- Artificial Intelligence
- Data Analytics
- Cloud Computing
- Immersive Media

Top Skills In Demand

- Risk Assessment
- Collaboration
- Problem Solving
- Network Configuration
- Error Diagnostics
- Test Script Execution

Job Examples

- APP DEVELOPER**: Builds customer-facing apps that operate at IoT scale using the latest technologies in a variety of areas (e.g. artificial intelligence, computer science / distributed computing / stream & batch data services etc.)
- IOT ENGINEER**: Involved in M2M (Machine-to-Machine) app development to build systems (e.g. systems of company security / smart house systems) where devices exchange data without any persons involved.

Scan the QR Code for courses related to the Internet of Things



STORIES OF RESILIENCE AMIDST COVID-19

Gen Y Speaks: I Am An Overseas Graduate Starting A New Career As Prime Mover Driver. And I'm Proud Of It

Andy Wong is an overseas graduate from the University of Hull with an honours degree in politics and history. During this COVID-19 period, he is working full-time as a Prime mover driver as well as a freelance writer.

Find out how he keeps an open mind, stays adaptable as well as learns technical and transferable skills in the unconventional career pathway he has chosen to embark on.



4 Ways COVID-19 Could Change How We Educate Future Generations To Be Better Prepared For What The Future Might Hold

Education for the Generation Z is deeply intertwined with technology. This is the generation that sees the power of collaboration to solve the world's biggest challenges (i.e. climate change, mental health etc.) and social responsibility to protect the vulnerable members in the community in the midst of the COVID-19 pandemic. Amidst the COVID-19 situation, the author shares 4 ways education needs to adapt to prepare our young learners for what the future might hold.



Creative Strokes: Designers Craft Clever Workarounds Amid Covid-19 Crisis

Like many sectors, the creative industry is reeling from the impact of the coronavirus pandemic. As COVID-19 changes the way creatives work, read more about how four designers and a consultancy are taking on the new challenge.

10,000 Jobs To Be Created Over A Year, \$800 A Month To Be Given To Those Who Lose Job Amid Covid-19 Outbreak

Find out how the SGUnited Traineeships and the SGUnited Jobs initiative introduced by the Ministry of Manpower (MOM) and Workforce Singapore (WSG) help individuals tide over these difficult times.




SKILLS CONFIDENCE

DEEP HUMAN SKILLS - Skills essential for your success in this modern world of DEEP TECH

Focus & Mindfulness

We are operating in an environment of mass distraction and technology addiction.

Your ability to control your attention, focus on what matters, and form insightful connections to separate the signal from the noise will be crucial to your success in life.

Complex Communication

Work today is marked by ambiguity, constant strategy changes and necessitates working virtually with cross-cultural teams.

All of this demands sophisticated communication skills from you, such as giving skillful feedback, influencing and having difficult conversations.

Empathy

Empathy is the ability to shift perspectives, and understand others on a deeply human level.

Coupled with self-awareness and the ability to assert appropriate boundaries, empathy is a superskill that will allow you to connect and engage effectively.

Adaptive Resilience

Adaptive Resilience is a fundamental hygiene factor that determines your ability to thrive.

It doesn't matter if you have the best skills in the world if you give up easily or not possess the psychological flexibility to adapt, learn and keep growing through challenging times.